

To: O'Neill, Francis[oneill.francis@epa.gov]
Cc: Ritter, Melvin[Ritter.Melvin@epa.gov]; Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
From: Tim Raub
Sent: Tue 12/1/2015 5:58:56 PM
Subject: RE: Chloroprene
EPA_R6_0161483_12_1_15.pdf

Hi Ed,

Attached is the quote for our 1 ppmv TO15 Plus standard.

Thank you,

Tim

From: O'Neill, Francis [mailto:oneill.francis@epa.gov]
Sent: Tuesday, December 01, 2015 10:50 AM
To: Tim Raub
Cc: Ritter, Melvin; Humphrey, Marvelyn
Subject: RE: Chloroprene

Tim,

That is good news. By "our TO-15 plus standard," do you mean Entech's or yours at Pennsylvania? Also David Brymer included it in his list but there was no clarification if it was chloroprene or 3-chloropropene. I am sure it was the former but it is not in any of the conventional target lists.

Thanks for checking on this and if you have it give me a price please.

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

From: Tim Raub [<mailto:timraub@entechinst.com>]

Sent: Tuesday, December 01, 2015 10:34 AM

To: O'Neill, Francis

Subject: RE: Chloroprene

Hi Ed,

2-Chloroprene has been in our TO15 Plus Standard for a few years. I am fairly certain that I analyzed for it at my old job. Initially making a custom cocktail and preparing it by static dilution and then later switching to a custom cylinder.

I will check with head office but from what I recall it behaved pretty well and sensitivity was about normal. It was not a bad actor in air.

Thank you,

Tim

From: O'Neill, Francis [<mailto:oneill.francis@epa.gov>]

Sent: Tuesday, December 01, 2015 10:22 AM

To: Tim Raub

Subject: Chloroprene

Tim,

Do you guys have any information about analysis of chloroprene (2-chloro-1,3-butadiene) in canisters? How about in Tedlar[®] bags? David Brymer supposedly analyzed for it in 1996 but there may be some doubt as to what the compound was.

This is a big topic raging now and whether or not to include it in the NATTS target list.

Thanks,

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

ExchangeDefender Message Security: [Check Authenticity](#)

ExchangeDefender Message Security: [Check Authenticity](#)

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]; Ritter, Melvin[Ritter.Melvin@epa.gov]
From: O'Neill, Francis
Sent: Mon 11/30/2015 8:16:03 PM
Subject: RE: Sampling Protocol and Analytical Methodology for Chloroprene

← → G <https://www.google.com/search?sourceid=navclient&aq=&oq=chloroprene&ie=UTF->

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chloroprene

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About 421,000 results (0.30 seconds)

Chloroprene - Wikipedia, the free encyclopedia

<https://en.wikipedia.org/wiki/Chloroprene> ▼ Wikipedia ▼

Chloroprene is the common name for the organic compound 2-chloro-1,3-butadiene which has the formula $\text{CH}_2=\text{CCl}-\text{CH}=\text{CH}_2$. This colorless liquid is the monomer in the production of the polymer polychloroprene, a type of synthetic rubber. Production of chloroprene - Transportation regulations - References - E

Chloroprene (2-Chloro-1,3-Butadiene) | Technology

www3.epa.gov/.../chloro... ▼ United States Environmental Protection Agency
Exposure to **chloroprene** is primarily occupational. Symptoms reported after (short-term) human exposure to high concentrations of **chloroprene** include

CHLOROPRENE | C₄H₅Cl - PubChem

[pubchem.ncbi.nlm.nih.gov › compound](https://pubchem.ncbi.nlm.nih.gov/compound/Chloroprene) PubChem ▼

Chloroprene is a colorless, flammable, carcinogenic, chlorinated hydrocarbon with a pungent, ethereal odor. **Chloroprene** is used as a chemical intermediate in the manufacture of neoprene rubber.

Chloroprene Rubber Sheetting -Trelleborg

www.trelleborg.com/en/Elastomer.../Chloroprene/ ▼ Trelleborg AE
Jul 28, 2014 - CR or **Chloroprene**, also known by the trade name Neoprene, is a balanced combination of properties that make it the best multi-function

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

From: Humphrey, Marvelyn

Sent: Monday, November 30, 2015 2:04 PM

To: Ritter, Melvin; O'Neill, Francis

Subject: FW: Sampling Protocol and Analytical Methodology for Chloroprene

Mel,

Please see the request below. Please work with Ed to see if an EPA method exist for the analysis of chloroprene in air. If a method exist, is the analysis something we can do here?

See additional information below. Please let me know tomorrow around 2pm what you found.

The background to the request is ... the highest emitting facility of chloroprene in the nation is in Region 6 (Louisiana). Dallas is aware that the facility is emitting way over what the limit is expected to be.

Let me know what you find.

Thanks.

From: Verhalen, Frances

Sent: Monday, November 30, 2015 1:26 PM
To: Humphrey, Marvelyn
Cc: Casso, Ruben
Subject: Sampling Protocol and Analytical Methodology for Chloroprene

Marvelyn,

Mid December, HQ is going to release the new National Air Toxics Assessment (NATA) number for chloroprene. I need to determine what the sampling protocol and analytical methodology for this chemical are. Samples should be outside ambient air and stack samples (still trying to get the industry to do this). Analytical will most likely be Houston Lab.

Could you check into the availability and capability of the TAGA for this assessment?

I appreciate your assistance on this and hope you can address this by Wednesday? Let me know.
Thank you.

Frances Verhalen, P.E., Chief

Air Monitoring and Grants Section

US Environmental Protection Agency

1445 Ross Avenue (MC 6MM-AM)

Dallas, TX 75202

214-665-2172

verhalen.frances@epa.gov

To: O'Neill, Francis[oneill.francis@epa.gov]
Cc: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]; Ritter, Melvin[Ritter.Melvin@epa.gov]
From: Mickunas, Dave
Sent: Thur 12/17/2015 4:47:09 PM
Subject: Re: A possible source for a 20 ppbv single component chloroprene standard.

Good morning,

Thanks for the information - I placed an order for the chloroprene with ISGAS.

Sent from my iPhone

On Dec 17, 2015, at 11:30 AM, O'Neill, Francis <oneill.francis@epa.gov> wrote:

I thought I would mention this lest we get off track. This exhausts my knowledge of possible suppliers of a 20 ppbv single component chloroprene standard.

Daniel Riemer, PhD

Apel-Riemer Environmental

Miami, Florida, USA

Phone: 786-925-6201

Fax: 786-364-1591

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]; Ritter, Melvin[Ritter.Melvin@epa.gov];
ONeill, Francis[oneill.francis@epa.gov]
From: McQuiddy, David
Sent: Mon 12/7/2015 5:16:05 PM
Subject: More Chloroprene Info
FW: DuPont Laplace 2014 Emissions Inventory
FW: Information for OSHA

To: O'Neill, Francis[oneill.francis@epa.gov]
Cc: Ritter, Melvin[Ritter.Melvin@epa.gov]; Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
From: Tim Raub
Sent: Tue 12/1/2015 5:12:31 PM
Subject: RE: Chloroprene

Hi Ed,

That is the Entech Standard. I will send over a quote on the standard later today.

Thank you,

Tim

From: O'Neill, Francis [mailto:oneill.francis@epa.gov]
Sent: Tuesday, December 01, 2015 10:50 AM
To: Tim Raub
Cc: Ritter, Melvin; Humphrey, Marvelyn
Subject: RE: Chloroprene

Tim,

That is good news. By "our TO-15 plus standard," do you mean Entech's or yours at Pennsylvania? Also David Brymer included it in his list but there was no clarification if it was chloroprene or 3-chloropropene. I am sure it was the former but it is not in any of the conventional target lists.

Thanks for checking on this and if you have it give me a price please.

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

From: Tim Raub [<mailto:timraub@entechinst.com>]

Sent: Tuesday, December 01, 2015 10:34 AM

To: O'Neill, Francis

Subject: RE: Chloroprene

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From: O'Neill, Francis [<mailto:oneill.francis@epa.gov>]

Sent: Tuesday, December 01, 2015 10:22 AM

To: Tim Raub

Subject: Chloroprene

Tim,

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This is a big topic raging now and whether or not to include it in the NATTS target list.

Thanks,

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

ExchangeDefender Message Security: [Check Authenticity](#)

ExchangeDefender Message Security: [Check Authenticity](#)

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: McQuiddy, David
Sent: Thur 12/17/2015 4:34:58 PM
Subject: RE: Chloroprene ***MORE***

Sent from my Windows Phone

From: Humphrey, Marvelyn
Sent: 12/17/2015 10:04 AM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: FW: Chloroprene ***MORE***

Sorry for the delay. See our response below in blue.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 6:09 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene ***MORE***

More questions. Response ASAP tomorrow, please.

How much standard did we buy, i.e., how many total calibrations can we do?

A: The gas standard that we purchased contains 100 liters at 1 ppm by volume. We can perform approx. 1000 calibrations with the standard.

Do we do 1 calibration per day when running samples?

A: We check the calibration daily and run a calibration curve weekly, this equates to roughly 10 calibrations runs/analysis per week.

Does TAGA use same instrumentation as us, i.e., GC/MS?

A: Previous information from the TAGA operator indicates that if the TAGA is used for monitoring, the MS/MS system will be used. We do not use a MS/MS for air analysis. In addition, the TAGA would need a single component standard of chloroprene only, if monitoring is performed. The standard we ordered is a multi-component standard; other compounds are

present. (It may be best to ask the TAGA operator if he can use a multi-component standard for monitoring. His written response is not clear and is interpreted differently by different readers.)

Be advised that if Region decides for TAGA and/or split samples with LDEQ, they may want to share our standard.

A. In order to share the standard, either the Houston lab or the party we share it with, must use the Entech cylinder we ordered to make up a less dilute standard to use for calibrations. So either the Houston lab would make the dilute standard and send it to the other lab or we send off the Entech cylinder and we would need it back.

Sent from my Windows Phone

From: Humphrey, Marvelyn
Sent: 12/16/2015 2:26 PM
To: McQuiddy, David
Cc: ONeill, Francis
Subject: RE: Chloroprene

FYI ... We ordered a regulator in addition to the standard which increased the total cost of the order.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:13 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene

Thank you.

BTW, the PR was for \$2,601.

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)

10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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From: Humphrey, Marvelyn
Sent: Wednesday, December 16, 2015 2:12 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: RE: Chloroprene

No, that's not what I meant. Since we've already ordered the standard, we will probably receive it before LDEQ. We don't mind loaning it. Should LDEQ decide to purchase it, the cost is \$2010.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:06 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene
Importance: High

There is a cost to loan to LDEQ = \$2,010?

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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From: Humphrey, Marvelyn
Sent: Wednesday, December 16, 2015 1:40 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: FW: Chloroprene

Wes,

The vendor is Entech. It is not proprietary, anyone can purchase it.

We could loan the standard to LDEQ. The cost is \$2,010. A quote is attached. Note, the standard is a 20 component standard that contains chloroprene. It is not a single component standard.

We also ordered a second source standard from Chemserve that has to be made by static dilution. We will have enough to loan. The standard from Chemserve is roughly 50%chloroprene, 50% xylene and ~1 % preservative.

Marvelyn

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 12:57 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: FW: Chloroprene

See questions below from Wren.

Let me know ASAP.

Thank you,

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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From: Stenger, Wren
Sent: Wednesday, December 16, 2015 12:09 PM
To: McQuiddy, David

Subject: Chloroprene

Wes, can we share the chloroprene standard with LDEQ, or is it proprietary? Also, can you send me the vendor name and cost for the chloroprene std that you are acquiring?

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Mickunas, Dave[Mickunas.Dave@epa.gov]; Marvelyn
Humphrey[Humphrey.Marvelyn@epa.gov]; Melvin Ritter[Ritter.Melvin@epa.gov]
From: O'Neill, Francis
Sent: Thur 12/17/2015 4:30:11 PM
Subject: A possible source for a 20 ppbv single component chloroprene standard.

I thought I would mention this lest we get off track. This exhausts my knowledge of possible suppliers of a 20 ppbv single component chloroprene standard.

Daniel Riemer, PhD

Apel-Riemer Environmental

Miami, Florida, USA

Phone: 786-925-6201

Fax: 786-364-1591

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

To: Rimer, Kelly[Rimer.Kelly@epa.gov]; Pagan, Ines[Pagan.Ines@epa.gov]
Cc: Smith, Darcie[Smith.Darcie@epa.gov]; Keating, Martha[keating.martha@epa.gov]
From: Sasser, Erika
Sent: Mon 11/30/2015 9:15:13 PM
Subject: Chloroprene

I see that EPA's website on Chloroprene is dated 2000... Is this page something that we should update?

<http://www3.epa.gov/airtoxics/hlthef/chloropr.html>

To: Smith, Rhonda[smith.rhonda@epa.gov]
From: Blanco, Arturo
Sent: Thur 12/17/2015 7:44:58 PM
Subject: FW: R6 Contracts for Dupont/Denka Chloroprene/Pontchartrain Works
NATA Chloroprene R6 contacts Dec 17 2015.docx

fyi

From: Stenger, Wren
Sent: Thursday, December 17, 2015 11:23 AM
To: Catherine.A.Barton@dupont.com; Jorge Lavastida
Cc: Blevins, John; Blanco, Arturo; Stenger, Wren; Gray, David
Subject: R6 Contracts for Dupont/Denka Chloroprene/Pontchartrain Works

Catherine, Jorge,

Thanks for your contact information. Here are the R6 contacts. I am also copying the R6 directors as FYI. We look forward to working with you on the chloroprene data and your facility operations.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Smith, Rhonda[smith.rhonda@epa.gov]; Anderson, Israel[Anderson.Israel@epa.gov]
From: Blanco, Arturo
Sent: Wed 12/9/2015 10:38:24 PM
Subject: FW: DuPont LaPlace LA Action Plan Chloroprene DRAFT Dec 8 2015.docx
[2015Katner PrioritizationParishTRICancer JLSMS \(3\).docx](#)
[East St John Health Consult 120315 \(2\).doc](#)
[Copy of Copy of St John the Baptist Parish 2003-2012 \(1\).xlsx](#)
[DuPont LaPlace LA Action Plan Chloroprene DRAFT Dec 8 2015 SC Comments.docx](#)

Arturo J. Blanco
Director

Office of Environmental Justice, Tribal and International Affairs

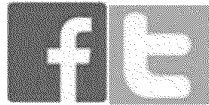
US EPA Region 6

1445 Ross Avenue (6RA-DA)

Dallas, TX 75202

214.665.3182 (o)

Ex. 6 - Personal Privacy (m)



From: Coleman, Sam
Sent: Tuesday, December 08, 2015 5:09 PM
To: Stenger, Wren; Curry, Ron; Gray, David; Ruiz, Thomas; Honker, William; Blevins, John; Edlund, Carl; Blanco, Arturo; McDonald, James; Pettigrew, George
Subject: RE: DuPont LaPlace LA Action Plan Chloroprene DRAFT Dec 8 2015.docx

I made some changes and attached some additional information.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Samuel Coleman, P.E.,

Deputy Regional Administrator

coleman.sam@epa.gov

214.665.2100

214.665.3110 Direct

Ex. 6 - Personal Privacy Cell



From: Stenger, Wren

Sent: Tuesday, December 08, 2015 11:11 AM

To: Curry, Ron; Coleman, Sam; Gray, David; Ruiz, Thomas; Honker, William; Blevins, John; Edlund, Carl; Blanco, Arturo; McDonald, James; Pettigrew, George; Stenger, Wren

Subject: DuPont LaPlace LA Action Plan Chloroprene DRAFT Dec 8 2015.docx

Latest draft of Chloroprene action plan. Please review and confirm your information is correctly captured. Share with your staff, as needed. Thanks for all the input.

From: Gray, David
Location: RA Conference Room
Importance: Normal
Subject: NATA - EJ Webinar
Start Date/Time: Tue 12/15/2015 4:30:00 PM
End Date/Time: Tue 12/15/2015 5:30:00 PM
Memo From Wilma.pdf

OAR will send call in and webinar address Memo From Wilma.pdf

From: Smith, Rhonda
Location: RA Conference Room
Importance: Normal
Subject: Fwd: NATA - EJ Webinar
Start Date/Time: Tue 12/15/2015 4:30:00 PM
End Date/Time: Tue 12/15/2015 5:30:00 PM

Arturo- Is someone from our office on the webinar?

Sent from my iPhone

Begin forwarded message:

From: "Gray, David" <gray.david@epa.gov>
To: "Blanco, Arturo" <Blanco.Arturo@epa.gov>, "Hansen, Mark" <Hansen.Mark@epa.gov>, "Coleman, Sam" <Coleman.Sam@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>, "Curry, Ron" <Curry.Ron@epa.gov>, "Casso, Ruben" <Casso.Ruben@epa.gov>, "Blevins, John" <Blevins.John@epa.gov>, "Gilrein, Stephen" <gilrein.stephen@epa.gov>, "Thompson, Steve" <thompson.steve@epa.gov>, "Yurk, Jeffrey" <yurk.jeffrey@epa.gov>, "McDonald, James" <McDonald.James@epa.gov>, "Hill, Troy" <Hill.Troy@epa.gov>, "McQuiddy, David" <Mcquiddy.David@epa.gov>, "Humphrey, Marvelyn" <humphrey.marvelyn@epa.gov>, "Edlund, Carl" <Edlund.Carl@epa.gov>, "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>, "Harrison, Ben" <Harrison.Ben@epa.gov>, "Seager, Cheryl" <Seager.Cheryl@epa.gov>, "Smith, Rhonda" <smith.rhonda@epa.gov>, "Anderson, Israel" <Anderson.Israel@epa.gov>, "Noonan, Jenny" <Noonan.Jenny@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Wayland, Richard" <Wayland.Richard@epa.gov>, "Lassiter, Penny" <Lassiter.Penny@epa.gov>, "Bremer, Kristen" <Bremer.Kristen@epa.gov>
Cc: "Verhalen, Frances" <verhalen.frances@epa.gov>, "Ruhl, Christopher" <Ruhl.Christopher@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Dickerson, Phil" <Dickerson.Phil@epa.gov>, "Tejada, Matthew" <Tejada.Matthew@epa.gov>, "Mckelvey, Laura" <Mckelvey.Laura@epa.gov>, "Green, Gregory" <Green.Gregory@epa.gov>, "Robinson, Victoria" <Robinson.Victoria@epa.gov>
Subject: NATA - EJ Webinar

OAD will send call in and webinar address

To: Anderson, Israel[Anderson.Israel@epa.gov]; Smith, Rhonda[smith.rhonda@epa.gov]
From: Blanco, Arturo
Sent: Wed 12/9/2015 10:34:25 PM
Subject: FW: DuPont Chloroprene
CDC -NIOSH Publication Chloroprene.pdf

Arturo J. Blanco
Director

Office of Environmental Justice, Tribal and International Affairs

US EPA Region 6

1445 Ross Avenue (6RA-DA)

Dallas, TX 75202

214.665.3182 (o)

Ex. 6 - Personal Privacy (m)



From: Gray, David
Sent: Tuesday, December 08, 2015 7:20 AM
To: Stenger, Wren; Blanco, Arturo; Blevins, John; Seager, Cheryl; Edlund, Carl; Garcia, David; Gilrein, Stephen; Harrison, Ben; Hill, Troy; Honker, William; McDonald, James; Phillips, Pam; Smith, Rhonda; Taheri, Diane; Luthans, William; Coleman, Sam; Curry, Ron
Subject: RE: DuPont Chloroprene

This information is from 1975 but interesting.

From: Stenger, Wren
Sent: Monday, December 07, 2015 6:00 PM

To: Blanco, Arturo; Blevins, John; Seager, Cheryl; Edlund, Carl; Garcia, David; Gilrein, Stephen; Gray, David; Harrison, Ben; Hill, Troy; Honker, William; McDonald, James; Phillips, Pam; Smith, Rhonda; Taheri, Diane; Luthans, William; Stenger, Wren; Coleman, Sam; Curry, Ron

Subject: DuPont Chloroprene

I am waiting for some additional information before I send the e file for another review. Hope to have it all by noon tomorrow. Will send separate note for the information still needed.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Brescia, Nicolas[brescia.nicolas@epa.gov]
Cc: Villarreal, Chris[villarreal.chris@epa.gov]; Turner, Philip[turner.philip@epa.gov]
From: Rauscher, Jon
Sent: Tue 12/8/2015 3:49:17 PM
Subject: Chloroprene
[1021_summary_chloroprene.pdf](#)
[1021tr_chloroprene.pdf](#)

Chloroprene has a noncancer reference concentration of 20 ug/m³ and a 10⁻⁴ lifetime (70 year) cancer level of 3 ug/m³.

To: Rauscher, Jon[Rauscher.Jon@epa.gov]
From: Brescia, Nicolas
Sent: Tue 12/8/2015 4:21:38 PM
Subject: Re: Chloroprene

Thanks

Sent from my iPad

On Dec 8, 2015, at 9:49 AM, Rauscher, Jon <Rauscher.Jon@epa.gov> wrote:

Chloroprene has a noncancer reference concentration of 20 ug/m³ and a 10⁻⁴ lifetime (70 year) cancer level of 3 ug/m³.

<1021_summary chloroprene.pdf>

<1021tr chloroprene.pdf>

To: Chance McNeely - LDEQ assistant secretary[deqoec@la.gov]; Cheryl Nolan[tegan.treadaway@la.gov]
From: Stenger, Wren
Sent: Thur 12/17/2015 7:38:38 PM
Subject: Chloroprene

Just heard from David Gray that the NATA will be released at 3 PM eastern (2 pm our time, about 30 minutes from now.)

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Stenger, Wren[stenger.wren@epa.gov]
From: Casso, Ruben
Sent: Tue 12/15/2015 10:29:08 PM
Subject: RE: DuPont/Denka
[contact info.docx](#)

Not sure what 6EN is calling themselves since the re-org. Filled in the rest.

From: Stenger, Wren
Sent: Tuesday, December 15, 2015 4:06 PM
To: Casso, Ruben
Cc: Verhalen, Frances
Subject: DuPont/Denka

Ruben, please check my inputs and complete this table to include all program contacts needed for DuPont/Denka activities. Thanks

To: Hansen, Mark[Hansen.Mark@epa.gov]; Verhalen, Frances[verhalen.frances@epa.gov]; Casso, Ruben[Casso.Ruben@epa.gov]; Thompson, Steve[thompson.steve@epa.gov]; Blevins, John[Blevins.John@epa.gov]; Arturo Blanco (Blanco.Arturo@epa.gov)[Blanco.Arturo@epa.gov]; Anderson, Israel[Anderson.Israel@epa.gov]; Runnels, Charlotte[Runnels.Charlotte@epa.gov]; Gray, David[gray.david@epa.gov]
Cc: Stenger, Wren[stenger.wren@epa.gov]
From: Stenger, Wren
Sent: Thur 12/17/2015 5:28:50 PM
Subject: DuPont/Denka contacts for Pontchartrain Works

All, here are the contacts all in one place to post, share, or save.

DuPont

Catherine Barton, Catherine.A.Barton@dupont.com, 302.996.8354, issues management.

Lori Sanders, Lori.E.Sanders@dupont.com, 302.996.8276, legal matters.

Tara Stewart, Tara.C.Stewart@dupont.com, 302.358.4012, public affairs.

Denka

Jorge Lavastida, Jorge-Lavastida@denka-pe.com, 225.773.0545, Plant Manager.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Catherine.A.Barton@dupont.com[Catherine.A.Barton@dupont.com]; Jorge Lavastida[Jorge-Lavastida@denka-pe.com]
Cc: Blevins, John[Blevins.John@epa.gov]; Arturo Blanco (Blanco.Arturo@epa.gov)[Blanco.Arturo@epa.gov]; Stenger, Wren[stenger.wren@epa.gov]; Gray, David[gray.david@epa.gov]
From: Stenger, Wren
Sent: Thur 12/17/2015 5:23:13 PM
Subject: R6 Contracts for Dupont/Denka Chloroprene/Pontchartrain Works
[NATA Chloroprene R6 contacts Dec 17 2015.docx](#)

Catherine, Jorge,

Thanks for your contact information. Here are the R6 contacts. I am also copying the R6 directors as FYI. We look forward to working with you on the chloroprene data and your facility operations.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Casso, Ruben[Casso.Ruben@epa.gov]
From: Stenger, Wren
Sent: Mon 12/14/2015 7:49:38 PM

What is the new IRIS number for chloroprene?

Sent from my Windows Phone

To: Blanco, Arturo[Blanco.Arturo@epa.gov]
From: Stenger, Wren
Sent: Fri 12/11/2015 10:18:59 PM
Subject: RE: Chloroprene DuPont NATA LDEQ/LDHH brief

Thanks

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

From: Blanco, Arturo
Sent: Friday, December 11, 2015 2:17 PM
To: Stenger, Wren
Subject: RE: Chloroprene DuPont NATA LDEQ/LDHH brief

Wren,

Charlotte Runnels and I will join the call. Israel and Rhonda will be out of office.

Arturo

Arturo J. Blanco
Director

Office of Environmental Justice, Tribal and International Affairs

US EPA Region 6

1445 Ross Avenue (6RA-DA)

Dallas, TX 75202

214.665.3182 (o)

Ex. 6 - Personal Privacy (m)



From: Stenger, Wren

Sent: Friday, December 11, 2015 12:31 PM

To: Gray, David; Coleman, Sam

Cc: Hansen, Mark; Williams, Odessa; Blanco, Arturo; Blevins, John; Seager, Cheryl; Edlund, Carl; Garcia, David; Gilrein, Stephen; Harrison, Ben; Hill, Troy; Honker, William; McDonald, James; Phillips, Pam; Smith, Rhonda; Taheri, Diane

Subject: Chloroprene DuPont NATA LDEQ/LDHH brief

David, for the call with LDEQ and LDHH on Monday, Dec 14 at 10 AM, my suggestion for those to be included on the invitation include:

Mike Koerber

Steve Page

Peter Tsirigotis

Penny Lassiter

Kelly Rhimer

Erika Sasser

Others from HQs? Millet, Jenny Noonan, Debbie Jordan, others???

George Pettigrew, Jennifer Lyke

Others from ATSDR or CDC?

Ron Curry, Sam Coleman, David Gray

Wren Stenger, Mark Hansen, Fran Verhalen, Ruben Casso

John Blevins, Steve Gilrein, Steve Thompson, Jeff Yurk

James McDonald, Troy Hill, Wes McQuiddy, Marvelyn Humphrey

Carl Edlund, Ronnie Crossland, Nick Fressia

Ben Harrison, Cheryl Seager

Arturo Blanco, Rhonda Smith, Israel Anderson

Others from R6?

LDEQ and LDHH will provide their names to you directly.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

From: Gray, David

Sent: Friday, December 11, 2015 11:56 AM

To: Tegan Treadaway; Stenger, Wren; Coleman, Sam; Noonan, Jenny
Subject: Re: NATA LDEQ/LDHH brief

We have the briefing set up for Monday at 10 am CT. We will need a list of attendees in advance of the meeting so they can access the webinar presentation.

Please send names to me and Jenny Noonan.

Below are details.

For this meeting with the Departments of Environment and Health for the State of Louisiana, we will be using the call in number

Ex. 6 - Personal Privacy

To view the webinar

Ex. 6 - Personal Privacy

This has been set up such that only "approved guests" can enter; everyone will need to sign in and be approved by the OAPQS moderators (Kelly and me) before they can enter the meeting.

We can approve in the moments before the meeting starts. Everyone should sign in with his/her full names so that we don't have to guess who's trying to enter.

Sent from my iPhone

On Dec 10, 2015, at 4:16 PM, Tegan Treadaway <Tegan.Treadaway@LA.GOV> wrote:

If not/ please let us know what works. DHH is not available in the pm.

Sent from my iPhone

To: Gray, David[gray.david@epa.gov]; Coleman, Sam[Coleman.Sam@epa.gov]
Cc: Hansen, Mark[Hansen.Mark@epa.gov]; Williams, Odessa[Williams.Odessa@epa.gov]; Arturo Blanco (Blanco.Arturo@epa.gov)[Blanco.Arturo@epa.gov]; Blevins, John[Blevins.John@epa.gov]; Cheryl Seager (seager.cheryl@epa.gov)[seager.cheryl@epa.gov]; Edlund, Carl[edlund.carl@epa.gov]; Garcia, David[Garcia.David@epa.gov]; Gilrein, Stephen[gilrein.stephen@epa.gov]; Harrison, Ben[Harrison.Ben@epa.gov]; Hill, Troy[Hill.Troy@epa.gov]; Honker, William[honker.william@epa.gov]; McDonald, James[McDonald.James@epa.gov]; Phillips, Pam[phillips.pam@epa.gov]; Rhonda Smith[Smith.rhonda@epa.gov]; Taheri, Diane[Taheri.Diane@epa.gov]
From: Stenger, Wren
Sent: Fri 12/11/2015 6:31:29 PM
Subject: Chloroprene DuPont NATA LDEQ/LDHH brief

David, for the call with LDEQ and LDHH on Monday, Dec 14 at 10 AM, my suggestion for those to be included on the invitation include:

Mike Koerber

Steve Page

Peter Tsirigotis

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Kelly Rhimer

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Others from HQs? Millet, Jenny Noonan, Debbie Jordan, others???

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Others from R6?

LDEQ and LDHH will provide their names to you directly.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

From: Gray, David

Sent: Friday, December 11, 2015 11:56 AM

To: Tegan Treadaway; Stenger, Wren; Coleman, Sam; Noonan, Jenny

Subject: Re: NATA LDEQ/LDHH brief

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Sent from my iPhone

To: Gray, David[gray.david@epa.gov]; Coleman, Sam[Coleman.Sam@epa.gov]; Blevins, John[Blevins.John@epa.gov]; Edlund, Carl[edlund.carl@epa.gov]; McDonald, James[McDonald.James@epa.gov]; Curry, Ron[Curry.Ron@epa.gov]; Arturo Blanco (Blanco.Arturo@epa.gov)[Blanco.Arturo@epa.gov]; Tsirigotis, Peter[Tsirigotis.Peter@epa.gov]; Page, Steve[Page.Steve@epa.gov]; Koerber, Mike[Koerber.Mike@epa.gov]
From: Stenger, Wren
Sent: Fri 12/11/2015 9:42:22 PM
Subject: Chloroprene DuPont Denka

Dow and DuPont completed negotiations for a merger as of today, according to the business news channels.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Welton, Patricia[Welton.Patricia@epa.gov]
From: Seager, Cheryl
Sent: Mon 12/7/2015 4:15:34 PM
Subject: Fwd: DuPont LaPlace LA Action Plan Chloroprene Dec 3 2015.docx
[la-Place dow decision2001.pdf](#)
[ATT00001.htm](#)

Sent from my iPhone

Begin forwarded message:

From: "Gray, David" <gray.david@epa.gov>
Date: December 7, 2015 at 8:12:28 AM CST
To: "Stenger, Wren" <stenger.wren@epa.gov>, "Curry, Ron" <Curry.Ron@epa.gov>, "Coleman, Sam" <Coleman.Sam@epa.gov>, "Blanco, Arturo" <Blanco.Arturo@epa.gov>, "Blevins, John" <Blevins.John@epa.gov>, "Seager, Cheryl" <Seager.Cheryl@epa.gov>, "Edlund, Carl" <Edlund.Carl@epa.gov>, "Garcia, David" <Garcia.David@epa.gov>, "Gilrein, Stephen" <gilrein.stephen@epa.gov>, "Harrison, Ben" <Harrison.Ben@epa.gov>, "Honker, William" <honker.william@epa.gov>, "Phillips, Pam" <phillips.pam@epa.gov>, "Smith, Rhonda" <smith.rhonda@epa.gov>, "Taheri, Diane" <Taheri.Diane@epa.gov>, "Pettigrew, George" <pettigrew.george@epa.gov>, "Lyke, Jennifer" <Lyke.Jennifer@epa.gov>
Cc: "Brown, Jamesr" <brown.jamesr@epa.gov>, "Runnels, Charlotte" <Runnels.Charlotte@epa.gov>, "Ruiz, Thomas" <Ruiz.Thomas@epa.gov>, "Anderson, Israel" <Anderson.Israel@epa.gov>, "Hansen, Mark" <Hansen.Mark@epa.gov>, "Verhalen, Frances" <verhalen.frances@epa.gov>, "Casso, Ruben" <Casso.Ruben@epa.gov>, "Yurk, Jeffrey" <yurk.jeffrey@epa.gov>, "Ruhl, Christopher" <Ruhl.Christopher@epa.gov>, "Johnson, Lydia" <johnson.lydia@epa.gov>, "Young, Carl" <young.carl@epa.gov>, "McGee, Tomika" <McGee.Tomika@epa.gov>, "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>
Subject: RE: DuPont LaPlace LA Action Plan Chloroprene Dec 3 2015.docx

Here is a copy of the Dupont Title V response from 2003.

From: Stenger, Wren
Sent: Thursday, December 03, 2015 5:29 PM
To: Curry, Ron; Coleman, Sam; Blanco, Arturo; Blevins, John; Seager, Cheryl; Edlund, Carl; Garcia, David; Gilrein, Stephen; Gray, David; Harrison, Ben; Honker, William; Phillips, Pam; Smith, Rhonda; Taheri, Diane; Pettigrew, George; Lyke, Jennifer
Cc: Brown, Jamesr; Runnels, Charlotte; Ruiz, Thomas; Anderson, Israel; Hansen, Mark; Verhalen, Frances; Casso, Ruben; Yurk, Jeffrey; Ruhl, Christopher; Johnson, Lydia;

Young, Carl; McGee, Tomika; Crossland, Ronnie
Subject: DuPont LaPlace LA Action Plan Chloroprene Dec 3 2015.docx

I already have some input so am resending the draft action plan. You can begin to see what this will ultimately look like. Thanks for the quick input so far. Still DRAFT

To: Distefano, Nichole[DiStefano.Nichole@epa.gov]
From: Vaught, Laura
Sent: Thur 12/17/2015 11:00:50 PM
Subject: FW: LA Delegation Conference Call Request 12/16 TIME SENSITIVE

Ugh – this was in my clutter. It's clearly all gone forward since then, but wanted to let you know that I just found this...(sorry)

From: Bennitt, Ian [mailto:Ian.Bennitt@mail.house.gov]
Sent: Tuesday, December 15, 2015 4:51 PM
To: Vaught, Laura <Vaught.Laura@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Tillery, Samantha <Samantha.Tillery@mail.house.gov>
Subject: LA Delegation Conference Call Request 12/16 TIME SENSITIVE
Importance: High

Laura –

I respectfully request a conference call for **tomorrow at 4:30pm EST** with Administrator McCarthy or her designee to discuss a planned EPA announcement regarding NATA modeling for the chemical Chloroprene in Laplace, LA. **Participating on the call will be Senator Bill Cassidy, as well as Congressmen Graves, Boustany and Richmond.**

It is the delegation's understanding that NATA is used as a screening model, and conclusions regarding risk should not be drawn from its results. Moreover, NATA results cannot be used to identify exposures and risks for specific individuals, or even to identify exposures and risks in small geographic regions such as a specific census block, i.e., hotspots. It is our hope that any EPA announcement on this Thursday strongly caveats this fact, and will not seek to undermine the caveat by drawing specific conclusions regarding risk or direct links to cancer not supported by NATA modeling or current EPA regulation.

The delegation looks forward to discussing this in more detail with EPA staff tomorrow. In the meantime do not hesitate to reach out to me with questions regarding background. I will also serve as the POC for scheduling purposes. The call is highly time sensitive, and we greatly appreciate your help.

Best Regards,

Ian

Ian Bennett | Legislative Director
Office of Congressman Garret Graves (LA-06)

202-225-3901 (office) | garretgraves.house.gov



To: McQuiddy, David[Mcquiddy.David@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: Humphrey, Marvelyn
Sent: Wed 12/16/2015 8:12:22 PM
Subject: RE: Chloroprene

No, that's not what I meant. Since we've already ordered the standard, we will probably receive it before LDEQ. We don't mind loaning it. Should LDEQ decide to purchase it, the cost is \$2010.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:06 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene
Importance: High

There is a cost to loan to LDEQ = \$2,010?

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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From: Humphrey, Marvelyn
Sent: Wednesday, December 16, 2015 1:40 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: FW: Chloroprene

Wes,

The vendor is Entech. It is not proprietary, anyone can purchase it.

We could loan the standard to LDEQ. The cost is \$2,010. A quote is attached. Note, the standard is a 20 component standard that contains chloroprene. It is not a single component standard.

We also ordered a second source standard from Chemserve that has to be made by static dilution. We will have enough to loan. The standard from Chemserve is roughly 50%chloroprene, 50% xylene and ~1 % preservative.

Marvelyn

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 12:57 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: FW: Chloroprene

See questions below from Wren.

Let me know ASAP.

Thank you,

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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From: Stenger, Wren
Sent: Wednesday, December 16, 2015 12:09 PM
To: McQuiddy, David
Subject: Chloroprene

Wes, can we share the chloroprene standard with LDEQ, or is it proprietary? Also, can you send me the vendor name and cost for the chloroprene std that you are acquiring?

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: McQuiddy, David[Mcquiddy.David@epa.gov]
From: Stenger, Wren
Sent: Thur 12/17/2015 7:14:06 PM
Subject: RE: Chloroprene follow-up

Thanks Wes. I will offer Marvelyn to discuss details if LDEQ needs more.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

From: McQuiddy, David
Sent: Thursday, December 17, 2015 11:55 AM
To: Stenger, Wren
Subject: Chloroprene follow-up

Wren,

My apologies for the delayed response, continuous meeting's this morning shadowing Mr. Hill.

Regarding your follow-up questions;

How much standard did the Lab buy, i.e., how many total calibrations can we do?

A: The gas standard that we purchased contains 100 liters at 1 ppm by volume. We can perform approx. 1000 calibrations with the standard.

Do we do 1 calibration per day when running samples?

A: We check the calibration daily and run a calibration curve weekly, this equates to roughly 10 calibrations runs/analysis per week.

Does TAGA use same instrumentation as us, i.e., GC/MS?

A: Previous information from the TAGA operator indicates that if the TAGA is used for monitoring, the MS/MS system will be used. We do not use a MS/MS for air analysis. In addition, the TAGA would need a single component standard of chloroprene only, if monitoring is performed. The standard we ordered is a multi-component standard; other compounds are present. TAGA has placed an order for a single component chloroprene standard.

Be advised that if Region decides for TAGA and/or split samples with LDEQ, they may want to share our standard.

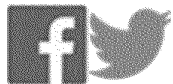
A. In order to share the standard, either the Houston lab or the party we share it with, must use the Entech cylinder we ordered to make up a less dilute standard to use for calibrations. So either the Houston lab would make the dilute standard and send it to the other lab or we send off the Entech cylinder and we would need it back.

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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To: McQuiddy, David[Mcquiddy.David@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: Humphrey, Marvelyn
Sent: Thur 12/17/2015 2:34:31 PM
Subject: RE: Chloroprene ***MORE***

Ed is looking up some information. I expect to respond soon.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 6:09 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene ***MORE***

More questions. Response ASAP tomorrow, please.

How much standard did we buy, i.e., how many total calibrations can we do?
Do we do 1 calibration per day when running samples?
Does TAGA use same instrumentation as us, i.e., GC/MS?

Be advised that if Region decides for TAGA and/or split samples with LDEQ, they may want to share our standard.

Sent from my Windows Phone

From: Humphrey, Marvelyn
Sent: 12/16/2015 2:26 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: RE: Chloroprene

FYI ... We ordered a regulator in addition to the standard which increased the total cost of the order.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:13 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene

Thank you.

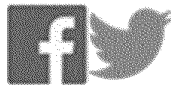
BTW, the PR was for \$2,601.

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

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From: Humphrey, Marvelyn
Sent: Wednesday, December 16, 2015 2:12 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: RE: Chloroprene

No, that's not what I meant. Since we've already ordered the standard, we will probably receive it before LDEQ. We don't mind loaning it. Should LDEQ decide to purchase it, the cost is \$2010.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:06 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene
Importance: High

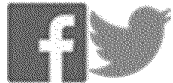
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Marvelyn

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 12:57 PM
To: Humphrey, Marvelyn
Cc: ONeill, Francis
Subject: FW: Chloroprene

See questions below from Wren.

Let me know ASAP.

Thank you,

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

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From: Stenger, Wren
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Wes, can we share the chloroprene standard with LDEQ, or is it proprietary? Also, can you send me the vendor name and cost for the chloroprene std that you are acquiring?

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Chance McNeely - LDEQ assistant secretary[deqoec@la.gov]; Cheryl Nolan[tegan.treadaway@la.gov]
Cc: McQuiddy, David[Mcquiddy.David@epa.gov]; Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
From: Stenger, Wren
Sent: Thur 12/17/2015 7:13:39 PM
Subject: Chloroprene follow-up

Chance, Tegan,

Instead of summarizing, please see how our lab and TAGA folks answered about sharing the chloroprene standard. One thing I see is that the TAGA and the lab MSGC use a different type of chloroprene standard for calibrations (I wasn't aware of that.), and we have ordered both. Not sure how the "MAMMAL" is set-up.

After reading below, it is possible to share the standard, but it might be more trouble than it is worth. See what you think.

Also, Marvelyn Humphrey is out expert in the Houston Lab. We can hook you up with her for more detailed discussion if that is helpful. Just like I mentioned yesterday, we are having to do all the same start-up activities as you. We are glad to share what we have learned so far about chloroprene sampling and testing.

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

From: McQuiddy, David
Sent: Thursday, December 17, 2015 11:55 AM
To: Stenger, Wren
Subject: Chloroprene follow-up

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A: Previous information from the TAGA operator indicates that if the TAGA is used for monitoring, the MS/MS system will be used. We do not use a MS/MS for air analysis. In addition, the TAGA would need a single component standard of chloroprene only, if monitoring is performed. The standard we ordered is a multi-component standard; other compounds are present. TAGA has placed an order for a single component chloroprene standard.

Be advised that if Region decides for TAGA and/or split samples with LDEQ, they may want to share our standard.

A. In order to share the standard, either the Houston lab or the party we share it with, must use the Entech cylinder we ordered to make up a less dilute standard to use for calibrations. So either the Houston lab would make the dilute standard and send it to the other lab or we send off the Entech cylinder and we would need it back.

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: McQuiddy, David
Sent: Thur 12/17/2015 12:08:45 AM
Subject: RE: Chloroprene ***MORE***

More questions. Response ASAP tomorrow, please.

How much standard did we buy, i.e., how many total calibrations can we do?
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To: McQuiddy, David
Cc: O'Neill, Francis
Subject: RE: Chloroprene

FYI ... We ordered a regulator in addition to the standard which increased the total cost of the order.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:13 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene

Thank you.

BTW, the PR was for \$2,601.

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

214-665-6722

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From: Humphrey, Marvelyn
Sent: Wednesday, December 16, 2015 2:12 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: RE: Chloroprene

No, that's not what I meant. Since we've already ordered the standard, we will probably receive it before LDEQ. We don't mind loaning it. Should LDEQ decide to purchase it, the cost is \$2010.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:06 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene
Importance: High

There is a cost to loan to LDEQ = \$2,010?

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Chief, Environmental Services Branch

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From: Humphrey, Marvelyn
Sent: Wednesday, December 16, 2015 1:40 PM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: FW: Chloroprene

Wes,

The vendor is Entech. It is not proprietary, anyone can purchase it.

We could loan the standard to LDEQ. The cost is \$2,010. A quote is attached. Note, the standard is a 20 component standard that contains chloroprene. It is not a single component standard.

We also ordered a second source standard from Chemserve that has to be made by static dilution. We will have enough to loan. The standard from Chemserve is roughly 50%chloroprene, 50% xylene and ~1 % preservative.

Marvelyn

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 12:57 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: FW: Chloroprene

See questions below from Wren.

Let me know ASAP.

Thank you,

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From: Stenger, Wren

Sent: Wednesday, December 16, 2015 12:09 PM
To: McQuiddy, David
Subject: Chloroprene

Wes, can we share the chloroprene standard with LDEQ, or is it proprietary? Also, can you send me the vendor name and cost for the chloroprene std that you are acquiring?

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: McQuiddy, David[Mcquiddy.David@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: Humphrey, Marvelyn
Sent: Wed 12/16/2015 7:40:29 PM
Subject: FW: Chloroprene
EPA_R6_0161483_12_1_15.pdf

Wes,

The vendor is Entech. It is not proprietary, anyone can purchase it.

We could loan the standard to LDEQ. The cost is \$2,010. A quote is attached. Note, the standard is a 20 component standard that contains chloroprene. It is not a single component standard.

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Let me know ASAP.

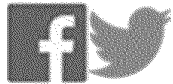
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Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: McQuiddy, David[Mcquiddy.David@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: Humphrey, Marvelyn
Sent: Wed 12/16/2015 8:26:28 PM
Subject: RE: Chloroprene

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To: Humphrey, Marvelyn
Cc: O'Neill, Francis
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See questions below from Wren.

Let me know ASAP.

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Subject: Chloroprene

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Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: McQuiddy, David
Sent: Wed 12/16/2015 6:57:04 PM
Subject: FW: Chloroprene

See questions below from Wren.

Let me know ASAP.

Thank you,

Wes McQuiddy
Chief, Environmental Services Branch

U.S. EPA Region 6 (6MD-H)
10625 Fallstone Road
Houston, Texas 77099

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Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
Cc: O'Neill, Francis[oneill.francis@epa.gov]
From: McQuiddy, David
Sent: Thur 12/17/2015 5:14:08 PM
Subject: RE: Chloroprene ***MORE***

Thank you

Sent from my Windows Phone

From: Humphrey, Marvelyn
Sent: 12/17/2015 10:04 AM
To: McQuiddy, David
Cc: O'Neill, Francis
Subject: FW: Chloroprene ***MORE***

Sorry for the delay. See our response below in blue.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 6:09 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene ***MORE***

More questions. Response ASAP tomorrow, please.

How much standard did we buy, i.e., how many total calibrations can we do?

A: The gas standard that we purchased contains 100 liters at 1 ppm by volume. We can perform approx. 1000 calibrations with the standard.

Do we do 1 calibration per day when running samples?

A: We check the calibration daily and run a calibration curve weekly, this equates to roughly 10 calibrations runs/analysis per week.

Does TAGA use same instrumentation as us, i.e., GC/MS?

A: Previous information from the TAGA operator indicates that if the TAGA is used for monitoring, the MS/MS system will be used. We do not use a MS/MS for air analysis. In addition, the TAGA would need a single component standard of chloroprene only, if monitoring

is performed. The standard we ordered is a multi-component standard; other compounds are present. (It may be best to ask the TAGA operator if he can use a multi-component standard for monitoring. His written response is not clear and is interpreted differently by different readers.)

Be advised that if Region decides for TAGA and/or split samples with LDEQ, they may want to share our standard.

A. In order to share the standard, either the Houston lab or the party we share it with, must use the Entech cylinder we ordered to make up a less dilute standard to use for calibrations. So either the Houston lab would make the dilute standard and send it to the other lab or we send off the Entech cylinder and we would need it back.

Sent from my Windows Phone

From: [Humphrey, Marvelyn](#)
Sent: 12/16/2015 2:26 PM
To: [McQuiddy, David](#)
Cc: [ONeill, Francis](#)
Subject: RE: Chloroprene

FYI ... We ordered a regulator in addition to the standard which increased the total cost of the order.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:13 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene

Thank you.

BTW, the PR was for \$2,601.

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U.S. EPA Region 6 (6MD-H)
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Houston, Texas 77099

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Subject: RE: Chloroprene

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Sent: Wednesday, December 16, 2015 2:06 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene
Importance: High

There is a cost to loan to LDEQ = \$2,010?

Wes McQuiddy

To: McQuiddy, David[Mcquiddy.David@epa.gov]
From: Stenger, Wren
Sent: Wed 12/16/2015 6:08:33 PM
Subject: Chloroprene

Wes, can we share the chloroprene standard with LDEQ, or is it proprietary? Also, can you send me the vendor name and cost for the chloroprene std that you are acquiring?

Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]; Ritter, Melvin[Ritter.Melvin@epa.gov];
ONeill, Francis[oneill.francis@epa.gov]
From: McQuiddy, David
Sent: Mon 12/7/2015 5:16:05 PM
Subject: More Chloroprene Info
FW: DuPont Laplace 2014 Emissions Inventory
FW: Information for OSHA

To: Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
From: McQuiddy, David
Sent: Thur 12/17/2015 5:13:42 PM
Subject: RE: TAGA & single component chloroprene standard.

Thank you

Sent from my Windows Phone

From: Humphrey, Marvelyn
Sent: 12/17/2015 10:53 AM
To: McQuiddy, David
Subject: TAGA & single component chloroprene standard.

Fyi ... Dave Mickunas, TAGA chemist, found and placed an order for a single component chloroprene standard.

From: Mickunas, Dave
Sent: Thursday, December 17, 2015 10:47 AM
To: O'Neill, Francis
Cc: Humphrey, Marvelyn; Ritter, Melvin
Subject: Re: A possible source for a 20 ppbv single component chloroprene standard.

Good morning,

Thanks for the information - I placed an order for the chloroprene with ISGAS.

Sent from my iPhone

On Dec 17, 2015, at 11:30 AM, O'Neill, Francis <oneill.francis@epa.gov> wrote:

I thought I would mention this lest we get off track. This exhausts my knowledge of possible suppliers of a 20 ppbv single component chloroprene standard.

Daniel Riemer, PhD

Apel-Riemer Environmental

Miami, Florida, USA

Phone: 786-925-6201

Fax: 786-364-1591

Ed

F. Edward O'Neill

US EPA Region 6 Houston Lab

281-983-2181

To: McQuiddy, David[Mcquiddy.David@epa.gov]; Humphrey, Marvelyn[humphrey.marvelyn@epa.gov]
From: O'Neill, Francis
Sent: Wed 12/16/2015 8:17:56 PM
Subject: RE: Chloroprene

That PR (the last one) included roughly \$500.00 for a dedicated regulator so we do not contaminate our other regulators. I would suppose that they could decide for themselves if they want to get a regulator but we could tell the, of course.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:13 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene

Thank you.

BTW, the PR was for \$2,601.

Wes McQuiddy
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Houston, Texas 77099

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10625 Fallstone Road
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To: McQuiddy, David
Cc: O'Neill, Francis
Subject: FW: Chloroprene

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Marvelyn

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To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: FW: Chloroprene

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Let me know ASAP.

Thank you,

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Wren Stenger

Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

To: McQuiddy, David[Mcquiddy.David@epa.gov]
From: Humphrey, Marvelyn
Sent: Thur 12/17/2015 4:53:30 PM
Subject: TAGA & single component chloroprene standard.

Fyi ... Dave Mickunas, TAGA chemist, found and placed an order for a single component chloroprene standard.

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281-983-2181

To: McQuiddy, David[Mcquiddy.David@epa.gov]
From: O'Neill, Francis
Sent: Wed 12/16/2015 8:13:29 PM
Subject: RE: Chloroprene

That is the cost (market price) of the standard from the vendor. It is on the bottom of the attachment and includes a Haz Mat fee,. To be honest, I think we (that is EPA R6 Lab) gets a little discount.

From: McQuiddy, David
Sent: Wednesday, December 16, 2015 2:06 PM
To: Humphrey, Marvelyn
Cc: O'Neill, Francis
Subject: RE: Chloroprene
Importance: High

There is a cost to loan to LDEQ = \$2,010?

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Director

Multimedia Planning and Permitting Division

EPA Region 6 Dallas, Texas

214.665.6583

From: Gray, David
Location: TDB
Importance: Normal
Subject: NATA - EJ Webinar
Start Date/Time: Tue 12/15/2015 4:30:00 PM
End Date/Time: Tue 12/15/2015 5:30:00 PM
[Memo From Wilma.pdf](#)

OAR will send call in and webinar address

To: McQuiddy, David[Mcquiddy.David@epa.gov]
From: Humphrey, Marvelyn
Sent: Mon 12/14/2015 5:55:14 PM
Subject: FW: Who did you order your Chloroprene from?

Wes,

Please call me when you get a chance.

Thanks,

Marv

From: Humphrey, Marvelyn
Sent: Monday, December 14, 2015 11:43 AM
To: Hansen, Mark
Subject: RE: Who did you order your Chloroprene from?

No. Entech is located in Simi Valley, CA. Simi Valley is where we are ordering the standard from. It may be made elsewhere.

From: Hansen, Mark
Sent: Monday, December 14, 2015 11:18 AM
To: Humphrey, Marvelyn
Subject: RE: Who did you order your Chloroprene from?

Thank you. Is that a local Houston company?

From: Humphrey, Marvelyn
Sent: Monday, December 14, 2015 11:07 AM
To: Hansen, Mark
Subject: RE: Who did you order your Chloroprene from?

The name of the company is Entech.

From: Hansen, Mark
Sent: Monday, December 14, 2015 11:00 AM
To: Humphrey, Marvelyn
Subject: Who did you order your Chloroprene from?

If I can be of assistance or answer any questions, please contact me at 214 665-7548.

Sincerely,

Mark Hansen

Associate Director for Air Programs

Multimedia Division

U.S. EPA Region 6

1445 Ross Avenue

Dallas, Texas 75202

To: Jorge Lavastida[Jorge-Lavastida@denka-pe.com]; Nao Kawamura[N.Kawamura@mitsui.com]; 'koki-tabuchi@denka.co.jp' (koki-tabuchi@denka.co.jp)[koki-tabuchi@denka.co.jp]; Patrick Walsh[patrick-a-walsh@denka-pe.com]; Debbie J. Mulrooney (debbie.j.mulrooney@dupont.com)[debbie.j.mulrooney@dupont.com]; Lassiter, Penny[Lassiter.Penny@epa.gov]; Tricia Ferguson[tricia-ferguson@denka-pe.com]
Cc: Robert E. Holden[reholden@liskow.com]
From: Doris Grego
Sent: Wed 12/9/2015 9:29:17 PM
Subject: Minutes - Chloroprene NATA Conference Call 12.9.15
[CONFERENCE CALL 12.9.15.docx](#)

..
,,

PRIVILEGED AND CONFIDENTIAL

ATTORNEY-CLIENT WORK PRODUCT

Attached are the minutes from the 12.9.15 conference call with the EPA. Let me know of any additions or comments. There was a fourth EPA person but I did not catch the name.

Doris

To: Lassiter, Penny[Lassiter.Penny@epa.gov]
From: Rimer, Kelly
Sent: Mon 11/16/2015 4:41:46 PM
Subject: Re: Meeting with DuPont / Denka on NATA for Chloroprene

I could meet at 4

Kelly Rimer

Leader, Air Toxics Assessment Group

US EPA

Office of Air Quality Planning and Standards

109 TW Alexander Drive

RTP. NC 27709

On Nov 16, 2015, at 11:25 AM, Lassiter, Penny <Lassiter.Penny@epa.gov> wrote:

Kelly,

Are you available between 3 and 5 pm tomorrow (I'm guessing for about 45 minutes) to talk with reps from DuPont and Denka on the Chloroprene emissions issue for their La Place, LA facility? Your calendar is showing a block starting at 1:00 pm tomorrow. Thanks.

From: D-Alonzo.Wharton@dupont.com [<mailto:D-Alonzo.Wharton@dupont.com>]
Sent: Friday, November 13, 2015 1:46 PM
To: Lassiter, Penny <Lassiter.Penny@epa.gov>
Subject: Meeting with DuPont / Denka on NATA for Chloroprene

Penny

We're proposing a meeting on Tuesday, November 17th. We have availability between 2-

5pm. Please email or call to confirm your preference and availability.

Regards,

Alonzo Wharton

Global Safety, Health, and Environmental Leader, DuPont Protection Technologies, DuPont SHE Center of Excellence
5401 Jefferson Davis Highway, Richmond, VA 23234

D-Alonzo.Warton@dupont.com Ducom: 383-4205 Mobile:  VK: 804-383-4205 FX: 804-383-2911

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Francais Deutsch Italiano Espanol Portugues Japanese Chinese Korean

http://www.DuPont.com/corp/email_disclaimer.html

From: Doris Grego
Location: Conferece Call
Importance: Normal
Subject: Chloroprene NATA Study Conference Call
Start Date/Time: Wed 12/9/2015 7:30:00 PM
End Date/Time: Wed 12/9/2015 8:30:00 PM

;
Please join us today at 1:30 pm (CST) on a telephone call with Ms. Penny Lassiter (EPA) to discuss the chloroprene NATA study being conducted. Below is the telephone number for the call:

Ex. 6 - Personal Privacy

To: France, Danny[France.Danny@epa.gov]
From: Shelow, David
Sent: Wed 12/16/2015 4:07:00 PM
Subject: RE: West Louisville report

One more question... this report and data corresponds to work done in CY2000 – 2001. We have some summary report from data in CY2004. Did Region 4 do work in Rubbertown near the DuPont facility in 2004? If not who did? Kentucky?

Thanks,

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax:: 919-541-1903
Email: shelow.david@epa.gov

From: France, Danny
Sent: Wednesday, December 16, 2015 8:49 AM
To: Shelow, David <Shelow.David@epa.gov>; Noah, Greg <Noah.Greg@epa.gov>
Subject: RE: West Louisville report

From: Shelow, David
Sent: Wednesday, December 16, 2015 7:04 AM
To: France, Danny <France.Danny@epa.gov>; Noah, Greg <Noah.Greg@epa.gov>
Subject: RE: West Louisville report

Hi Danny,

Yes we would need the raw data or the appendices to see the actual data. If you have the data I would love to see it.

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax: 919-541-1903
Email: shelow.david@epa.gov

From: France, Danny
Sent: Tuesday, December 15, 2015 3:59 PM
To: Noah, Greg <Noah.Greg@epa.gov>; Shelow, David <Shelow.David@epa.gov>
Subject: RE: West Louisville report

As the report says, we did see 2-CHLORO-1,3-BUTADIENE (CHLOROPRENE).

Let me know if you need raw data.

From: Noah, Greg
Sent: Tuesday, December 15, 2015 3:47 PM
To: France, Danny <France.Danny@epa.gov>; Shelow, David <Shelow.David@epa.gov>
Subject: RE: West Louisville report

Thanks! I hope it does.

From: France, Danny
Sent: Tuesday, December 15, 2015 3:46 PM
To: Noah, Greg <Noah.Greg@epa.gov>; Shelow, David <Shelow.David@epa.gov>
Subject: West Louisville report

Got your message. Hope this helps.

Danny

Danny France

Chief, Analytical Services Branch

Region 4, EPA, Science and Ecosystems Support Division

980 College Station Rd

Athens, GA 30605

(706) 355-8738 (office)

From: Gray, David
Location: RA Conference Room
Importance: Normal
Subject: Fwd: NATA - EJ Webinar
Start Date/Time: Tue 12/15/2015 4:30:00 PM
End Date/Time: Tue 12/15/2015 5:30:00 PM

FYI. Not at the LA facility but see EJ efforts at another DuPont facility previously in Kentucky. Getting some real data in La will be important.

Sent from my iPhone

Begin forwarded message:

From: "Gray, David" <gray.david@epa.gov>
To: "Blanco, Arturo" <Blanco.Arturo@epa.gov>, "Hansen, Mark" <Hansen.Mark@epa.gov>, "Coleman, Sam" <Coleman.Sam@epa.gov>, "Stenger, Wren" <stenger.wren@epa.gov>, "Curry, Ron" <Curry.Ron@epa.gov>, "Casso, Ruben" <Casso.Ruben@epa.gov>, "Blevins, John" <Blevins.John@epa.gov>, "Gilrein, Stephen" <gilrein.stephen@epa.gov>, "Thompson, Steve" <thompson.steve@epa.gov>, "Yurk, Jeffrey" <yurk.jeffrey@epa.gov>, "McDonald, James" <McDonald.James@epa.gov>, "Hill, Troy" <Hill.Troy@epa.gov>, "McQuiddy, David" <Mcquiddy.David@epa.gov>, "Humphrey, Marvelyn" <humphrey.marvelyn@epa.gov>, "Edlund, Carl" <Edlund.Carl@epa.gov>, "Crossland, Ronnie" <Crossland.Ronnie@epa.gov>, "Harrison, Ben" <Harrison.Ben@epa.gov>, "Seager, Cheryl" <Seager.Cheryl@epa.gov>, "Smith, Rhonda" <smith.rhonda@epa.gov>, "Anderson, Israel" <Anderson.Israel@epa.gov>, "Noonan, Jenny" <Noonan.Jenny@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Wayland, Richard" <Wayland.Richard@epa.gov>, "Lassiter, Penny" <Lassiter.Penny@epa.gov>, "Bremer, Kristen" <Bremer.Kristen@epa.gov>
Cc: "Verhalen, Frances" <verhalen.frances@epa.gov>, "Ruhl, Christopher" <Ruhl.Christopher@epa.gov>, "Petersen, Chris" <petersen.chris@epa.gov>, "Dickerson, Phil" <Dickerson.Phil@epa.gov>, "Tejada, Matthew" <Tejada.Matthew@epa.gov>, "Mckelvey, Laura" <Mckelvey.Laura@epa.gov>, "Green, Gregory" <Green.Gregory@epa.gov>, "Robinson, Victoria" <Robinson.Victoria@epa.gov>
Subject: NATA - EJ Webinar

OAR will send call in and webinar address

To: Shelow, David[Shelow.David@epa.gov]
Cc: Noah, Greg[Noah.Greg@epa.gov]
From: France, Danny
Sent: Wed 12/16/2015 1:38:03 PM
Subject: RE: West Louisville report
[voc_comp.xls](#)

Here is an excel summary

From: Shelow, David
Sent: Wednesday, December 16, 2015 7:04 AM
To: France, Danny <France.Danny@epa.gov>; Noah, Greg <Noah.Greg@epa.gov>
Subject: RE: West Louisville report

Hi Danny,

Yes we would need the raw data or the appendices to see the actual data. If you have the data I would love to see it.

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax:: 919-541-1903
Email: shelow.david@epa.gov

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Subject: West Louisville report

Got your message. Hope this helps.

Danny

Danny France

Chief, Analytical Services Branch

Region 4, EPA, Science and Ecosystems Support Division

980 College Station Rd

Athens, GA 30605

(706) 355-8738 (office)

To: Shelow, David[Shelow.David@epa.gov]
From: Weinstock, Lewis
Sent: Wed 12/9/2015 2:01:40 PM
Subject: RE: Wind rose

Have never seen a rose with such a small westerly component.

Lewis Weinstock | Group Leader | Ambient Air Monitoring Group | Air Quality Assessment Division - Mail Code C304-06 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Phone: 919-541-3661|

From: Shelow, David
Sent: Wednesday, December 09, 2015 7:59 AM
To: Palma, Ted <Palma.Ted@epa.gov>; Strum, Madeleine <Strum.Madeleine@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Cc: Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Scheffe, Rich <Scheffe.Rich@epa.gov>; Wayland, Richard <Wayland.Richard@epa.gov>; Merrill, Raymond <Merrill.Raymond@epa.gov>
Subject: FW: Wind rose

I asked Mark Evangelista to create wind roses, annual and seasonal, for the chloroprene DuPont site in LaPlace LA. This could be helpful if there is monitoring to be done at the elementary school.

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax: 919-541-1903
Email: shelow.david@epa.gov

From: Evangelista, Mark
Sent: Tuesday, December 08, 2015 4:13 PM
To: Shelow, David <Shelow.David@epa.gov>
Subject: Wind rose

To: Gray, David[gray.david@epa.gov]; Coleman, Sam[Coleman.Sam@epa.gov]; Stenger, Wren[stenger.wren@epa.gov]
From: Curry, Ron
Sent: Sun 12/20/2015 10:35:23 PM
Subject: Fwd: from my hotlist

Sent from my iPhone

Begin forwarded message:

From: "McCabe, Janet" <McCabe.Janet@epa.gov>
Date: December 19, 2015 at 5:33:50 PM MST
To: "Curry, Ron" <Curry.Ron@epa.gov>
Subject: from my hotlist

NATA Rollout: We worked closely with the regions this past week to prepare for the next installment of NATA. We posted the report Thursday after holding a series of calls with Louisiana state officials, the Congressional delegation and the local Parish President about the chloroprene issue in LaPlace. David Gray and the Region 6 air team and ORD provided invaluable support and so far things have been relatively quiet. Region 6 will maintain outreach with the affected communities in January. (shared with Ron).

Ron—thanks for your and your team's hard work on this. I really didn't hear any explosions on Thursday or Friday from either Louisiana or anywhere else in the country.

Enjoy the holidays....

Janet

To: McCabe, Janet[McCabe.Janet@epa.gov]
From: Curry, Ron
Sent: Sun 12/20/2015 9:45:51 PM
Subject: Re: from my hotlist

Thanks Janet. I agree. The reaching out made the difference .
Best of the Holidays to you.

Sent from my iPhone

On Dec 19, 2015, at 5:33 PM, McCabe, Janet <McCabe.Janet@epa.gov> wrote:

NATA Rollout: We worked closely with the regions this past week to prepare for the next installment of NATA. We posted the report Thursday after holding a series of calls with Louisiana state officials, the Congressional delegation and the local Parish President about the chloroprene issue in LaPlace. David Gray and the Region 6 air team and ORD provided invaluable support and so far things have been relatively quiet. Region 6 will maintain outreach with the affected communities in January. (shared with Ron).

Ron—thanks for your and your team's hard work on this. I really didn't hear any explosions on Thursday or Friday from either Louisiana or anywhere else in the country.

Enjoy the holidays....

Janet

To: Gray, David[gray.david@epa.gov]; Curry, Ron[Curry.Ron@epa.gov]
From: Marylee Orr
Sent: Fri 12/11/2015 7:51:11 PM
Subject: Fwd: DuPont sells LaPlace Neoprene operations; no layoffs planned

SORRY this is a year ago

----- Forwarded message -----

From: **Paul Orr** <paul@leanweb.org>
Date: Fri, Dec 11, 2015 at 1:17 PM
Subject: DuPont sells LaPlace Neoprene operations; no layoffs planned
To: Wilma Subra <subracom@aol.com>, Marylee Orr <marylee@leanweb.org>

Interesting...

http://www.nola.com/business/index.ssf/2014/12/dupont_sells_laplace_neoprene_plant_no_layoffs_planned.htm

DuPont sells LaPlace Neoprene operations; no layoffs planned

By [Jennifer Larino, NOLA.com | The Times-Picayune](#)

Chemicals manufacturer DuPont Co. said Wednesday it will sell the business unit that makes Neoprene, the synthetic rubber invented by the company more than 80 years ago and made in Louisiana. DuPont said no layoffs are planned at its 235-employee LaPlace plant.

DuPont said it has [agreed to sell](#) Neoprene to a new joint venture led by Denki Kagaku Kogyo of Japan. Denki will own a 70 percent stake in the new company, and Mitsui & Co. will own 30 percent.

The sale is expected to close by the first half of 2015. The companies did not disclose the purchase price.

DuPont's Neoprene segment employs 235 at the Pontchartrain Works manufacturing site in LaPlace. Plant manager Ivan Caldwell said all employees in the Neoprene segment will be offered a job with the new company. The jobs will remain in LaPlace.

DuPont will continue to serve as landlord at the Pontchartrain Works site, which also houses production for DuPont Protection Technologies. That unit makes Kevlar, the protective synthetic fiber used in the bullet-resistant vests worn by police and military

personnel. The segment has 150 employees, all of which will also remain in LaPlace, the company said.

Neoprene, invented by DuPont in 1931, is used in a wide range of products, from wetsuits to electrical insulation. DuPont's decision to sell the line comes as the company faces mounting pressure from an activist investor to break up and shed divisions in order to focus on faster-growing product lines.

This story was updated at 11:45 a.m. on Wednesday (Dec. 10) to correctly describe the structure of Neoprene's ownership. Neoprene is fully owned by DuPont and will be sold to a new joint venture led by Denki Kagaku Kogyo of Japan.

--

Marylee M. Orr
Executive Director
Louisiana Environmental Action Network/Lower Mississippi Riverkeeper
marylee@leanweb.org
www.leanweb.org
www.lmrk.org
www.saveourgulf.org

To: Curry, Ron[Curry.Ron@epa.gov]; Coleman, Sam[Coleman.Sam@epa.gov]
From: Gray, David
Sent: Thur 12/17/2015 5:41:11 PM
Subject: FW: Chloroprene

Here is the information from ORD.

On Dec 16, 2015, at 6:39 PM, Deener, Kathleen <Deener.Kathleen@epa.gov> wrote:

Hi Nichole –

Per our conversation this evening, here are a few relevant publicly available pieces of information about chloroprene:

1. The publicly available IRIS Summary:
http://cfpub.epa.gov/ncea/iris/iris_documents/documents/subst/1021_summary.pdf
2. The evaluation by the International Agency for Research on Cancer (IARC):
<http://monographs.iarc.fr/ENG/Monographs/vol71/mono71-9.pdf>
3. The evaluation by the National Toxicology Program's Report on Carcinogens:
<https://ntp.niehs.nih.gov/ntp/roc/content/profiles/chloroprene.pdf>

The IRIS assessment (from 2010) classifies chloroprene as “likely to be carcinogenic to humans.” This is based on human epidemiological data, animal toxicology data, and a mutagenic mode of action (which means there’s evidence that chloroprene causes mutations).

The IARC evaluation (from 1999) classifies chloroprene as “possibly carcinogenic to humans.” IARC is the specialized cancer agency of the World Health Organization.

The National Toxicology Program's (NTP) Report on Carcinogens (from 2005) classifies chloroprene as “reasonably anticipated to be a human carcinogen.” This is based on evidence of tumors at multiple tissue sites in multiple species of animals. The Report on Carcinogens is a congressionally mandated, science-based, public health document that NTP prepares. The report identifies agents, substances, mixtures, and exposure

circumstances that are known or reasonably anticipated to cause cancer in humans.

I'm working with NCEA to get a factsheet put together as well as some talking points about the science. Carolyn Hubbard, ORD's Communications Director, is looped in (and she has connected with OAR's Communications Director) as in NCEA's Communications Director, Lou D'Amico.

Hope this helps for now.

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile)

deener.kathleen@epa.gov

Ex. 6 - Personal Privacy

To: Curry, Ron[Curry.Ron@epa.gov]; Coleman, Sam[Coleman.Sam@epa.gov]; Gray, David[gray.david@epa.gov]
Cc: SubraCom@aol.com[SubraCom@aol.com]; marylee[marylee@leanweb.org]
From: Paul Orr
Sent: Mon 12/14/2015 10:52:22 PM
Subject: Memo from Wilma Subra concerning chloroprene
[Memo From Wilma.pdf](#)

Memo from Wilma Subra concerning chloroprene for conference call.

Thanks,
Paul

To: Pagan, Ines (Pagan.Ines@epa.gov)[Pagan.Ines@epa.gov]; Smith, Darcie[Smith.Darcie@epa.gov]
From: Rimer, Kelly
Sent: Fri 11/20/2015 12:43:55 PM
Subject: FW: Follow-up on NATA
[Thomas et al 2013.pdf](#)
[Yang et al Toxicol. in vitro 2012.pdf](#)
[Yang et al 2012 supplemental mmc1.doc](#)
[Allen et al. CD risk 2014.pdf](#)
[Allen et al. CD risk 2014 Appendix B..pdf](#)

From: Matthew.W.Himmelstein@dupont.com [mailto:Matthew.W.Himmelstein@dupont.com]
Sent: Thursday, November 19, 2015 2:14 PM
To: Rimer, Kelly <Rimer.Kelly@epa.gov>
Cc: Lori.E.Sanders@dupont.com; Lassiter, Penny <Lassiter.Penny@epa.gov>; Debbie.J.Mulrooney@dupont.com; James.R.Damewood-JR@dupont.com
Subject: RE: Follow-up on NATA

Hi Kelly,

Attached are the references I was referring to. These are all peer-reviewed publications. Please share.

Thanks,

Matt

Matthew Himmelstein

DuPont Haskell Global Centers

Phone 302 451 4537

From: Mulrooney, Debbie J
Sent: Thursday, November 19, 2015 1:10 PM
To: HIMMELSTEIN, MATTHEW W
Cc: SANDERS, LORI ELIZABETH
Subject: FW: Follow-up on NATA

Matt,

See the last paragraph in the email that I just got from EPA. They are looking for references to the additional documents you mentioned on the call. Feel free to respond to directly to EPA, although if you do, I would include Lori Sanders on any communications you send to them, unless she tells you otherwise.

Debbie

Debbie Mulrooney
DuPont Engineering Research and Technology (DuET)
Environmental Engineering

Chestnut Run Plaza 723/1031
974 Centre Road

P.O. Box 2915

Wilmington, DE 19805
Office: +1.302.999.3346 Fax: +1.302.999.2614

From: Rimer, Kelly [<mailto:Rimer.Kelly@epa.gov>]
Sent: Thursday, November 19, 2015 12:41 PM
To: Mulrooney, Debbie J

Cc: Lassiter, Penny; Wharton, D Alonzo
Subject: Follow-up on NATA

Debbie,

Thank you for joining the call on Tuesday. In this email are several follow-up items related to our discussion.

First, as we discussed, NATA is a complex national screening analysis that estimates risks at the census tract level. The results are based on emissions from all sources that impact a particular tract, including large and small facilities and various types of mobile sources. It is our understanding that you are interested in chloroprene from the La Place facility and replicating the NATA analysis. Since chloroprene dominates the cancer risks from that tract, and we can help you get close to the answer we have in NATA for that tract, but it will not be an exact match.

If you were to conduct a tract-level analysis, here are the five steps you would take: (1) estimate emissions, (2) run a dispersion model to estimate ambient block-level concentrations, (3) aggregate block-level concentrations up to population-weighted census-tract level concentrations, (4) apply a factor to estimate the exposure concentrations, and (5) use the dose-response values to estimate risks and hazards.

As you can see, there are multiple steps, and the other (i.e., non-facility) contributors to the concentrations come into play. Here are some notes to get your facility emissions through the process and obtain a result close to NATA.

1. Use 2011 emissions from the publicly available National Emissions Inventory (NEI). We did confirm the facility's chloroprene emissions, stack parameters, and location coordinates with staff at the facility.
2. Use the Human Exposure Model, version 3 (HEM3, which contains AERMOD) or AERMOD itself to obtain ambient concentrations around the facility. The HEM model can be found here: <http://www2.epa.gov/fera/risk-assessment-and-modeling-human-exposure-model-hem>

If you install and run HEM3, you will also need to download the census files and the meteorological data files for the area. We can help answer questions about running HEM if you have any.

3. Take the modeled ambient block-level concentrations and multiply them by the block population. Then sum all of the population-weighted ambient concentrations in the tract. Divide that sum by the total tract population to get the population-weighted census tract-

level ambient concentration. Remember the results we present in NATA are tract-level results, not block-level results.

4. Run the ambient tract-level concentration through HAPEM7 to account for population mobility, etc. HAPEM7 won't be released until NATA is, but the ratio you need to multiply your ambient concentration by is 0.86 for chloroprene. If you want to use the older HAPEM model and run it yourself, you can find HAPEM here:
<http://www2.epa.gov/fera/human-exposure-modeling-hazardous-air-pollutant-exposure-model-hapem>
5. Multiply the exposure concentration by 4.8×10^{-4} . This is the IRIS URE multiplied by a factor of 1.6 to account for the mutagenic mode of action. The application of the 1.6 factor is standard EPA practice for a mutagenic chemical such as chloroprene and is documented in the 2005 Supplemental Cancer Guidelines, which can be found here:
<http://www2.epa.gov/risk/supplemental-guidance-assessing-susceptibility-early-life-exposure-carcinogens>.

If you had multiple carcinogens, you would add the tract-level risks together at this point.

Second, attached is a kmz file that will show you the *ambient* concentrations of chloroprene at census tracts in southern Louisiana. The highest concentration is 1.9 ug/m³. This would give you a cancer risk of approximately 900-in-1 million. However, after applying the exposure factor of 0.86, the tract-level risk is reduced to approximately 800-in-1 million, which is the number presented in NATA. As I indicated during our call, risks are not attributed to any facility. However, facility names are attributed to emissions (emissions are publically available information), and can be found on data tables and on the map when the emissions layer is turned on.

Third, on the call, Matt mentioned some additional documents related to chloroprene that have been published since the IRIS assessment in 2010. Is it possible for you to provide those citations? We think we know to what documents he was referring, but it would be good to be sure. Also, if you and/or he are interested in having a follow-up call with particular staff in our Office of Research and Development (ORD), let us know and who you would like to be on the call on your end and we will set up a meeting.

Thank you,

Kelly

Kelly Rimer

Leader, Air Toxics Assessment Group

US EPA

Office of Air Quality Planning and Standards

109 TW Alexander Drive

RTP, NC 27709

919-541-5368

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Francais Deutsch Italiano Espanol Portugues Japanese Chinese Korean

http://www.DuPont.com/corp/email_disclaimer.html

To: Debbie.J.Mulrooney@DuPont.com[Debbie.J.Mulrooney@DuPont.com]
Cc: Lassiter, Penny[Lassiter.Penny@epa.gov]; wharton,[D-Alonzo.Wharton@dupont.com]
Bcc: Smith, Darcie[Smith.Darcie@epa.gov]; Pagan, Ines
(Pagan.Ines@epa.gov)[Pagan.Ines@epa.gov]
From: Rimer, Kelly
Sent: Thur 11/19/2015 5:40:43 PM
Subject: Follow-up on NATA
LA Chloroprene.kmz

Debbie,

Thank you for joining the call on Tuesday. In this email are several follow-up items related to our discussion.

First, as we discussed, NATA is a complex national screening analysis that estimates risks at the census tract level. The results are based on emissions from all sources that impact a particular tract, including large and small facilities and various types of mobile sources. It is our understanding that you are interested in chloroprene from the La Place facility and replicating the NATA analysis. Since chloroprene dominates the cancer risks from that tract, and we can help you get close to the answer we have in NATA for that tract, but it will not be an exact match.

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3. Take the modeled ambient block-level concentrations and multiply them by the block population. Then sum all of the population-weighted ambient concentrations in the tract. Divide that sum by the total tract population to get the population-weighted census tract-level ambient concentration. Remember the results we present in NATA are tract-level results, not block-level results.
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<http://www2.epa.gov/fera/human-exposure-modeling-hazardous-air-pollutant-exposure-model-hapem>
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<http://www2.epa.gov/risk/supplemental-guidance-assessing-susceptibility-early-life-exposure-carcinogens>.

If you had multiple carcinogens, you would add the tract-level risks together at this point.

Second, attached is a kmz file that will show you the *ambient* concentrations of chloroprene at census tracts in southern Louisiana. The highest concentration is 1.9 ug/m³. This would give you a cancer risk of approximately 900-in-1 million. However, after applying the exposure factor of 0.86, the tract-level risk is reduced to approximately 800-in-1 million, which is the number presented in NATA. As I indicated during our call, risks are not attributed to any facility. However, facility names are attributed to emissions (emissions are publically available information), and can be found on data tables and on the map when the emissions layer is turned on.

Third, on the call, Matt mentioned some additional documents related to chloroprene that have been published since the IRIS assessment in 2010. Is it possible for you to provide those citations? We think we know to what documents he was referring, but it would be good to be sure. Also, if you and/or he are interested in having a follow-up call with particular staff in our Office of Research and Development (ORD), let us know and who you would like to be on the call on your end and we will set up a meeting.

Thank you,

Kelly

Kelly Rimer

Leader, Air Toxics Assessment Group

US EPA

Office of Air Quality Planning and Standards

109 TW Alexander Drive

RTP, NC 27709

919-541-5368

To: Shelow, David[Shelow.David@epa.gov]; Strum, Madeleine[Strum.Madeleine@epa.gov];
Smith, Darcie[Smith.Darcie@epa.gov]; Rimer, Kelly[Rimer.Kelly@epa.gov]
Cc: Weinstock, Lewis[Weinstock.Lewis@epa.gov]; Scheffe, Rich[Scheffe.Rich@epa.gov];
Wayland, Richard[Wayland.Richard@epa.gov]; Merrill, Raymond[Merrill.Raymond@epa.gov]
From: Palma, Ted
Sent: Wed 12/9/2015 1:05:23 PM
Subject: RE: Wind rose

very helpful, thanks Mark and David!

Ted Palma

USEPA

OAQPS/HEID/ATAG

MD C539-02

RTP, NC 27711

919-541-5470 (work)

palma.ted@epa.gov

From: Shelow, David
Sent: Wednesday, December 09, 2015 7:59 AM
To: Palma, Ted <Palma.Ted@epa.gov>; Strum, Madeleine <Strum.Madeleine@epa.gov>;
Smith, Darcie <Smith.Darcie@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Cc: Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Scheffe, Rich <Scheffe.Rich@epa.gov>;
Wayland, Richard <Wayland.Richard@epa.gov>; Merrill, Raymond
<Merrill.Raymond@epa.gov>
Subject: FW: Wind rose

I asked Mark Evangelista to create wind roses, annual and seasonal, for the chloroprene DuPont

site in LaPlace LA. This could be helpful if there is monitoring to be done at the elementary school.

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax: 919-541-1903
Email: shelow.david@epa.gov

From: Evangelista, Mark
Sent: Tuesday, December 08, 2015 4:13 PM
To: Shelow, David <Shelow.David@epa.gov>
Subject: Wind rose

To: Lassiter, Penny[Lassiter.Penny@epa.gov]; Diem, Art[Diem.Art@epa.gov]
Cc: 'Ted Palma'[Palma.Ted@epa.gov]; Morris, Mark[Morris.Mark@epa.gov]; Strum, Madeleine[Strum.Madeleine@epa.gov]
From: Rimer, Kelly
Sent: Mon 12/7/2015 7:33:09 PM
Subject: FW: Draft Communications Plan for LaPlace, LA
[DuPont LaPlace chloroprene major sources.xlsx](#)

FYI

From: Gray, David
Sent: Monday, December 07, 2015 2:22 PM
To: Bremer, Kristen <Bremer.Kristen@epa.gov>; Millett, John <Millett.John@epa.gov>
Cc: Smith, Darcie <Smith.Darcie@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Noonan, Jenny <Noonan.Jenny@epa.gov>
Subject: RE: Draft Communications Plan for LaPlace, LA

Ex. 5 - Deliberative

Attached is the 2014 LDEQ emissions inventory for chloroprene sources at the Dupont facility in LaPlace, LA. In summary about 24 tons are being emitted from area/fugitive sources such as building exhaust fans, 21 tons are being released from vents, and 84 tons are coming from stacks. Approximately half the emissions are coming from the top 4 to 5 sources.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

To: Pagan, Ines[Pagan.Ines@epa.gov]
From: Rimer, Kelly
Sent: Fri 10/16/2015 10:09:54 AM
Subject: Fwd: Follow up on chloroprene modeling and additional questions

Ines,

Here is an email from Patrick Walsh. Let's bring in the IRIS folks on this and make it a priority to follow up with Patrick.

Thanks

Kelly Rimer

Leader, Air Toxics Assessment Group

US EPA

Office of Air Quality Planning and Standards

109 TW Alexander Drive

RTP. NC 27709

Begin forwarded message:

From: <PATRICK.A.WALSH@dupont.com>
Date: October 15, 2015 at 6:27:32 PM EDT
To: <Kelly.Petersen@LA.GOV>, <Doris.B.Grego@dupont.com>, <James.B.Allen@dupont.com>, <Carlos.F.Saldana@dupont.com>, <Palma.Ted@epa.gov>, <Morris.Mark@epa.gov>, <Casso.Ruben@epa.gov>, <Rimer.Kelly@epa.gov>, <Strum.Madclcinc@epa.gov>
Subject: RE: Follow up on chloroprene modeling and additional questions

All,

I have reviewed all the appropriate information and my position hasn't changed. I'm worried that EPA is going down the wrong path. Let me explain my thinking to you:

My problem is that the data as presented by EPA with regard to NATA are presented as "cancer risk":

Facility ID	FIPS	Tribal Code	Parameter	Pollutant	Risk Value (cancer risk reported in a million)	Facility Emissions (tpy)	Facility Name	State	County Name	Comments
8026612	2095	Cancer risk	Chloroprene	1816.04	130.0775	E I DuPont de Nemours & Co - Pontchartrain Site	LA	St. John the Baptist		

(Taken from email from Madeleine Strum to Kelly Petersen, 6/24/15)

That would read to most people that chloroprene is a known, proven human carcinogen. But it hasn't been proven, or even generally accepted, and EPA's own toxicology data states such.

The IRIS database for chloroprene reads similarly to the IARC monograph:

"Under the Guidelines for Carcinogen Risk Assessment (U.S. EPA, 2005), there is evidence that chloroprene is 'likely to be carcinogenic to humans'"

Even the IRIS group will not explicitly state that chloroprene is a KNOWN human carcinogen. The entire series of documents discusses chloroprene's carcinogenicity in mice and rats only. While they can be used as models for human physiology, mice and rats are NOT human, and there are numerous examples of materials that are spectacularly toxic to non-human animals but have little or no effect on humans (chocolate springs to mind). Therefore, it is, in my opinion, an irresponsibly large leap to present the chloroprene release data as definitely carcinogenic to humans by presenting it as "increased cancer risk".

In addition, the epidemiological data does not comport with the model at all. The following table describes actual cancer rates for St. John Parish for the most recent 4-year period for which data is available:

Rank	County	Annual Incidence Rate(†) over period cases per 100,000	Lower 95% Confidence Interval	Upper 95% Confidence Interval	Average Annual Count over rate period	Rate Period	Recent Trend	Recent 5- Year Trend (‡) in Incidence Rates	Lower 95% Confidence Interval	Upper 95% Confidence Interval
53	St. John the Baptist Parish(7,9)	460.8	432.3	490.7	209	2008-2012	stable	-2.2	-9.4	5.6

(Data from

<http://statecancerprofiles.cancer.gov/incidencerates/index.php?stateFIPS=22&cancer=001&race=00&sex=0&age=001>

Given the following:

1. 50+ year history making chloroprene in St. John Parish
2. 20-30 year latency period for most cancers

According to the risk factors EPA attributes to our chloroprene emissions, St. John Parish should have the highest cancer rate in the state. This should be especially true given that our history of emitting chloroprene is much longer than the typical latency for cancer. But in actuality, St. John is in the **lowest quartile** of measured cancer rates in the state (#53 out of 66 parishes) and the rate of cancer is decreasing according to the 5-year trend. Thus, the model has a serious flaw as it doesn't come close to reflecting real, published cancer rate data.

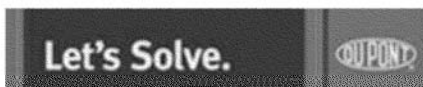
The above, taken together, indicate that EPA is planning to publish misleading data in an inflammatory way. Therefore, it would be irresponsible to publish it. I strongly urge EPA to reconsider its present course.

Patrick A. Walsh, CIH
E.I. DuPont De Nemours and Company
Safety, Health, Environmental, and PSM Manager
DuPont Performance Polymers Pontchartrain Works
LaPlace, LA 70068

(985) 536-5731 Work

Ex. 6 - Personal Privacy

Patrick.A.Walsh@dupont.com



-----Original Appointment-----

From: Kelly Petersen [<mailto:Kelly.Petersen@LA.GOV>]

Sent: Tuesday, October 06, 2015 10:09 AM

To: Kelly Petersen; GREGO, DORIS B; ALLEN, JAMES B; SALDANA, CARLOS F; Palma, Ted; Morris, Mark; Casso, Ruben; 'Rimer, Kelly'; Strum, Madeleine; WALSH, PATRICK A.

Subject: Follow up on chloroprene modeling and additional questions

When: Tuesday, October 06, 2015 11:00 AM-12:00 PM (UTC-06:00) Central Time (US & Canada).

Where: `DEQ/Room 919 - OMF Conference

Please join a conference call at 11am central time on Tuesday, October 6th. The call in information is below.

Meeting Number: **Ex. 6 - Personal Privacy**

To join the conference call:

Ex. 6 - Personal Privacy

(2) Enter the Meeting Number, then #

Thanks, Kelly Petersen

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Francais Deutsch Italiano Espanol Portugues Japanese Chinese Korean

http://www.DuPont.com/corp/email_disclaimer.html

To: Shelow, David[Shelow.David@epa.gov]; Rimer, Kelly[Rimer.Kelly@epa.gov]
Cc: Weinstock, Lewis[Weinstock.Lewis@epa.gov]; Wayland, Richard[Wayland.Richard@epa.gov];
Thurman, James[Thurman.James@epa.gov]
From: Strum, Madeleine
Sent: Thur 12/3/2015 2:08:06 PM
Subject: RE: Chloroprene monitoring

The MDL of 0.33ppb (1.2 ug/m3) is lower than the AERMOD modeled concentration of max tract chloroprene from our modeling (1.9 ug/m3). I would think that we'd see a lot higher concentrations in the vicinity of the school/facility so we should be ok with regards to detection.

Madeleine Strum
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards/Air Quality Assessment Division/EIAG
919 541 2383 (voice)
919 541 0684 (fax)

From: Shelow, David
Sent: Thursday, December 03, 2015 8:43 AM
To: Strum, Madeleine <Strum.Madeleine@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Cc: Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Wayland, Richard
<Wayland.Richard@epa.gov>
Subject: Chloroprene monitoring

Chloroprene, IUPAC name 2-chlorobuta-1,3-diene, CAS# 126-99-8, can be monitored as a volatile organic compound, VOC with a boiling point of 59.4C. The EPA method for collection an analysis would be TO-15, in which the sample is collected into a SUMMA or fused silica lined canister (whole air sample) and sent to the laboratory for preconcentration and GC/MS analysis. Not many labs monitor for this compound, therefore the challenge may be getting a reference standard for calibration and quantitation. But I have spoken with manufacturers of VOC standards and they have said it is possible to get a calibration standard made. Literature reviewed revealed a paper by Brymer et al from ES&T journal (Environmental Science & Technology) 1996 list chloroprene as a compound that can be successfully collected in a canister and analyzed by GC/MS and was stable for 30 days, the MDL was 0.33ppbv.

If you have any other questions, please let me know.

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax:: 919-541-1903
Email: shelow.david@epa.gov

To: Rimer, Kelly[Rimer.Kelly@epa.gov]
Cc: Bass, Katherine[Bass.Katherine@epa.gov]; Hunt, Virginia[Hunt.Virginia@epa.gov]
From: Lassiter, Penny
Sent: Mon 11/16/2015 4:25:20 PM
Subject: FW: Meeting with DuPont / Denka on NATA for Chloroprene

Kelly,

Are you available between 3 and 5 pm tomorrow (I'm guessing for about 45 minutes) to talk with reps from DuPont and Denka on the Chloroprene emissions issue for their La Place, LA facility? Your calendar is showing a block starting at 1:00 pm tomorrow. Thanks.

From: D-Alonzo.Wharton@dupont.com [mailto:D-Alonzo.Wharton@dupont.com]
Sent: Friday, November 13, 2015 1:46 PM
To: Lassiter, Penny <Lassiter.Penny@epa.gov>
Subject: Meeting with DuPont / Denka on NATA for Chloroprene

Penny

We're proposing a meeting on Tuesday, November 17th. We have availability between 2-5pm. Please email or call to confirm your preference and availability.

Regards,

Alonzo Wharton

Global Safety, Health, and Environmental Leader, DuPont Protection Technologies, DuPont SHE Center of Excellence
5401 Jefferson Davis Highway, Richmond, VA 23234

D-Alonzo.Wharton@dupont.com Ducom: 383-4205 Mobile:  WK: 804-383-4205 FX: 804-383-2911

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http://www.DuPont.com/corp/email_disclaimer.html

To: Casso, Ruben[Casso.Ruben@epa.gov]
Cc: 'Ted Palma'[Palma.Ted@epa.gov]; Strum, Madeleine[Strum.Madeleine@epa.gov]
From: Rimer, Kelly
Sent: Thur 10/1/2015 7:45:08 PM
Subject: NATA Chloroprene to Ruben 10 01 15.pptx
[NATA Chloroprene to Ruben 10 01 15.pptx](#)

Hi Ruben,

As promised here are a few slides on the chloroprene issue, for you to use to brief your upper management. I'll see about LA setting up a meeting on the issue, and we will go from there.

Thanks,
Kelly

To: Smith, Darcie[Smith.Darcie@epa.gov]
Cc: Sarsony, Chris[Sarsony.Chris@epa.gov]; Rimer, Kelly[Rimer.Kelly@epa.gov]
From: Sarsony, Chris
Sent: Tue 11/24/2015 9:45:48 PM
Subject: RE: Chloroprene/Neoprene

Everything you every wanted to know about polychloroprene production
(<http://iisrp.com/WebPolymers/04FinalPolychloropreneIISRP.pdf>)

Apparently, the acetylene method is the old method and most facilities use the butadiene method now – which is the process DOW uses.

“From the beginning until the 1960s, chloroprene was produced by the older “acetylene process”. This process has the disadvantages of being very energy-intensive

and having high investment costs. The modern chloroprene process, which is now used by nearly all producers, is based on butadiene, which is readily available.

Butadiene is converted into the monomer 2-chlorobutadiene-1,3 (chloroprene) via 3,4-dichlorobutene-1.”

The article also has a list of producers.

<u>Company name</u>	<u>Country</u>	<u>capacity(Metric Tons)</u>
DuPont Dow Elastomers USA		100 000
Bayer AG	Germany	65 000
EniChem	France	40 000
Denki Kagaku Kogyo Japan		48 000
TOSOH	Japan	30 000
Showa DDE	Japan	20 000

Additional capacities are located in Peoples Republic of China and Armenia.

Chris Sarsony

Science Advisor (Acting)

Health and Environmental Impacts Division

U.S. EPA, Office of Air Quality Planning and Standards

sarsony.chris@epa.gov

(919) 541-4843

From: Sarsony, Chris

Sent: Tuesday, November 24, 2015 4:30 PM

To: Smith, Darcie <Smith.Darcie@epa.gov>

Cc: Sarsony, Chris <Sarsony.Chris@epa.gov>

Subject: Chloroprene/Neoprene

The DOW plant is of a different technology than the Denka plant. It's not clear whether there are others out there of the same technology at other firms.

"Denka has one other polychloroprene plant, in Omni, Japan, which produces the material using the acetylene method. Denka said the plant opened in 1962 and currently supplies 80 countries. In 2010, the firm increased its polychloroprene rubber production to 100,000 metric tons."

"According to Denka, DuPont manufactures polychloroprene using the butadiene method and supplies North America, South America and Europe."

Here's the full article about the purchase.

<http://www.rubbernews.com/article/20141217/NEWS/312159998/duPont-to-sell-neoprene-unit-to-japanese-firm>

Chris

Chris Sarsony

Science Advisor (Acting)

Health and Environmental Impacts Division

U.S. EPA, Office of Air Quality Planning and Standards

sarsony.chris@epa.gov

(919) 541-4843

To: Bremer, Kristen[Bremer.Kristen@epa.gov]; Millett, John[Millett.John@epa.gov]
Cc: Smith, Darcie[Smith.Darcie@epa.gov]; Rimer, Kelly[Rimer.Kelly@epa.gov]; Noonan, Jenny[Noonan.Jenny@epa.gov]
From: Gray, David
Sent: Mon 12/7/2015 7:21:33 PM
Subject: RE: Draft Communications Plan for LaPlace, LA

FYI for the 114 letter. The sources at this facility are broader than stacks. Attached is a break out from our folks.

Attached is the 2014 LDEQ emissions inventory for chloroprene sources at the Dupont facility in LaPlace, LA. In summary about 24 tons are being emitted from area/fugitive sources such as building exhaust fans, 21 tons are being released from vents, and 84 tons are coming from stacks. Approximately half the emissions are coming from the top 4 to 5 sources, however in order to bring risk levels down to our typically evaluated regulatory levels of concern (1 to 100 in a million), the top 40 sources need to be evaluated.

To: Ted Palma[Palma.Ted@epa.gov]
From: Smith, Darcie
Sent: Thur 7/30/2015 3:46:20 PM
Subject: NATA facility

Hi Ted –

Today is Steve's birthday.

He said you were having trouble with a facility emitting chloroprene, in LA. I think it is a Polymers and Resins I – Neoprene facility. We modeled it in P&R I RTR, but there was not a chloroprene URE at the time so it didn't show up with high cancer risk, although it did have lots of emissions. Anyway, just an FYI.

Darcie

Darcie Smith

U.S. EPA/OAQPS/HEID/ATAG

Mail Drop C539-02

109 TW Alexander Dr.

RTP, NC 27711

(919) 541-2076

To: Smith, Darcie[Smith.Darcie@epa.gov]; Strum, Madeleine[Strum.Madeleine@epa.gov]; Palma, Ted[Palma.Ted@epa.gov]; Rimer, Kelly[Rimer.Kelly@epa.gov]; Merrill, Raymond[Merrill.Raymond@epa.gov]; Lassiter, Penny[Lassiter.Penny@epa.gov]; Bremer, Kristen[Bremer.Kristen@epa.gov]
Cc: Wayland, Richard[Wayland.Richard@epa.gov]; Weinstock, Lewis[Weinstock.Lewis@epa.gov]
From: Shelow, David
Sent: Tue 12/15/2015 8:49:46 PM
Subject: FW: West Louisville report

Here is the report from Region 4 for Louisville Kentucky chloroprene study at DuPont in KY.

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax:: 919-541-1903
Email: shelow.david@epa.gov

From: France, Danny
Sent: Tuesday, December 15, 2015 3:46 PM
To: Noah, Greg <Noah.Greg@epa.gov>; Shelow, David <Shelow.David@epa.gov>
Subject: West Louisville report

Got your message. Hope this helps.

Danny

Danny France

Chief, Analytical Services Branch

Region 4, EPA, Science and Ecosystems Support Division

980 College Station Rd

Athens, GA 30605

(706) 355-8738 (office)

To: Casso, Ruben[Casso.Ruben@epa.gov]
From: Smith, Darcie
Sent: Thur 11/19/2015 6:32:47 PM
Subject: update

Hi Ruben –

Ted Palma had a call from Jeff Yurk (R6, enforcement) to ask about the chloroprene facility. We have not been able to get in touch with David Gray or Wren Stingler (sp??), but have calls into both of them. If you like, we can get all the Region 6 folks together and give you all an update at the same time. It would be the same information you currently have, so maybe you would like to do that, but if you want us to pull something together, please let me know. Just an offer.

Fyi - We sent some materials – basic NATA modeling steps/instructions and a kmz of ambient chloroprene concentrations – to DuPont representatives today, as a follow up to our call with them on Tuesday.

Darcie

Darcie Smith

U.S. EPA/OAQPS/HEID/ATAG

Mail Drop C539-02

109 TW Alexander Dr.

RTP, NC 27711

(919) 541-2076

To: Palma, Ted[Palma.Ted@epa.gov]; Strum, Madeleine[Strum.Madeleine@epa.gov]; Smith, Darcie[Smith.Darcie@epa.gov]; Rimer, Kelly[Rimer.Kelly@epa.gov]
Cc: Weinstock, Lewis[Weinstock.Lewis@epa.gov]; Scheffe, Rich[Scheffe.Rich@epa.gov]; Wayland, Richard[Wayland.Richard@epa.gov]; Merrill, Raymond[Merrill.Raymond@epa.gov]
From: Shelow, David
Sent: Wed 12/9/2015 12:59:08 PM
Subject: FW: Wind rose

I asked Mark Evangelista to create wind roses, annual and seasonal, for the chloroprene DuPont site in LaPlace LA. This could be helpful if there is monitoring to be done at the elementary school.

Dave

David M. Shelow
National Air Toxics Ambient Monitoring Program Manager
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Ambient Air Monitoring Group C304-06
Research Triangle Park, NC 27711
Phone: 919-541-3776
Fax: 919-541-1903
Email: shelow.david@epa.gov

From: Evangelista, Mark
Sent: Tuesday, December 08, 2015 4:13 PM
To: Shelow, David <Shelow.David@epa.gov>
Subject: Wind rose

To: Coleman, Sam[Coleman.Sam@epa.gov]
From: Anderson, Israel
Sent: Tue 12/1/2015 9:34:51 PM
Subject: FW: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA
[Dupont Pontchartrain Works ejscreen .5 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 1 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 3 mile Radius.pdf](#)

EJSCREEN data for Dupont Pontchartrain Works, LaPlace, LA at half mile, 1 mile and 3 mile radius [points from the facility.

From: Runnels, Charlotte
Sent: Tuesday, December 01, 2015 1:14 PM
To: Anderson, Israel
Subject: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA

Israel,

Attached are EJSCREEN Reports for Dupont Pontchartrain Works within a 5 mile, 1 mile and 3 mile radius of the facility.

To locate the address of the facility, I used the longitude and latitude from the ECHO database. See link below. <http://echo.epa.gov/detailed-facility-report?fid=110000597131>

To: Robinson, Jeffrey (Robinson.Jeffrey@epa.gov)[Robinson.Jeffrey@epa.gov]; Ashley Mohr [Mohr.Ashley@epa.gov]; Braganza, Bonnie[Braganza.Bonnie@epa.gov]; Toups, Brad[Toups.Brad@epa.gov]
From: Young, Carl
Sent: Mon 12/7/2015 5:58:59 PM
Subject: FW: DUPONT Information
[Dupont Pontchartrain Works ejscreen .5 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 1 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 3 mile Radius.pdf](#)
[Dupont - Schools, Community Org, Faith Based Org - 2015.docx](#)

From: Anderson, Israel
Sent: Monday, December 07, 2015 11:22 AM
To: Stenger, Wren; Blanco, Arturo; Blevins, John; Gilrein, Stephen; Yurk, Jeffrey; Smith, Rhonda; Edlund, Carl; Phillips, Pam; Seager, Cheryl; Hansen, Mark; Pettigrew, George; Honker, William; Garcia, David; Casso, Ruben; Harrison, Ben; Coleman, Sam; Johnson, Lydia; Runnels, Charlotte; Ruhl, Christopher; Lyke, Jennifer
Cc: Verhalen, Frances; Ruiz, Thomas; Crossland, Ronnie; McGee, Tomika; Young, Carl
Subject: FW: DUPONT Information

Resending EJSCREEN Reports for the .5 mile, 1 mile, and 3 mile radius from the DuPont Pontchartrain Works facility as well as some information about the two closest schools to the site and a list of community/environmental justice organizations who would need to be contacted when it is deemed appropriate and some info on nearby churches.

From: Runnels, Charlotte
Sent: Monday, December 07, 2015 11:00 AM
To: Anderson, Israel
Subject: DUPONT Information

To: Casso, Ruben[Casso.Ruben@epa.gov]
From: Pettigrew, George
Sent: Thur 11/7/2013 7:36:53 PM
Subject: FW: Emailing: CVSoil%2003.08.13
[CVSoil%2003.08.13.pdf](#)

From: Pettigrew, George
Sent: Thursday, November 07, 2013 1:31 PM
To: Pettigrew, George
Subject: Emailing: CVSoil%2003.08.13

To: Casso, Ruben[Casso.Ruben@epa.gov]
From: Pettigrew, George
Sent: Thur 11/7/2013 7:36:31 PM
Subject: FW: Emailing: CVDinkingWater%2003.08.13
[CVDinkingWater%2003.08.13.pdf](#)

From: Pettigrew, George
Sent: Thursday, November 07, 2013 1:33 PM
To: Pettigrew, George
Subject: Emailing: CVDinkingWater%2003.08.13

To: Pettigrew, George[pettigrew.george@epa.gov]
Cc: Raoult Ratard[Raoult.Ratard@LA.GOV]; Kathleen Aubin[Kathleen.Aubin@LA.GOV]; Shannon Soileau[Shannon.Soileau@LA.GOV]; Andrews, Patricia (PAndre@lsuhsc.edu)[PAndre@lsuhsc.edu]; Luann E White[lawhite@tulane.edu]
From: Dianne Dugas
Sent: Fri 12/4/2015 5:06:28 PM
Subject: FW: Cancer
[2015Katner_PrioritizationParishTRI&Cancer_JLSMS.pdf](#)
[Scan from Copier](#)
[East St John Health Consult 120315.doc](#)

George, attached are documents related to Louisiana TRI, the “Cancer Corridor” and a recent ESJE public health investigation. I hope this information is helpful in relation to results of the current EPA National Air Toxics Assessment. Please let me know if you have any other questions or concerns. Thanks. Dianne

To: Casso, Ruben[Casso.Ruben@epa.gov]
From: Pettigrew, George
Sent: Thur 11/7/2013 7:36:07 PM
Subject: FW: Emailing: CVAir%20ug_m3%20Final%2003.08.13
CVAir%20ug_m3%20Final%2003.08.13.pdf

From: Pettigrew, George
Sent: Thursday, November 07, 2013 1:33 PM
To: Pettigrew, George
Subject: Emailing: CVAir%20ug_m3%20Final%2003.08.13

To: Runnels, Charlotte[Runnels.Charlotte@epa.gov]
From: Pettigrew, George
Sent: Mon 12/7/2015 3:30:09 PM
Subject: RE: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA

Thanks

From: Runnels, Charlotte
Sent: Monday, December 07, 2015 9:21 AM
To: Pettigrew, George; Anderson, Israel
Subject: FW: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA

FYI

From: Runnels, Charlotte
Sent: Tuesday, December 01, 2015 1:13 PM
To: Anderson, Israel
Subject: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA

Israel,

Attached are EJSCREEN Reports for Dupont Pontchartrain Works within a 5 mile, 1 mile and 3 mile radius of the facility.

To locate the address of the facility, I used the longitude and latitude from the ECHO database. See link below. <http://echo.epa.gov/detailed-facility-report?fid=110000597131>

To: Dianne Dugas[ddugas@dhh.la.gov]
Cc: Jennifer Lyke[Lyke.Jennifer@epa.gov]; Rick Gillig[rig4@cdc.gov]
From: Pettigrew, George
Sent: Mon 12/7/2015 3:30:08 PM
Subject: FW: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA
[Dupont Pontchartrain Works ejscreen .5 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 1 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 3 mile Radius.pdf](#)

From: Runnels, Charlotte
Sent: Monday, December 07, 2015 9:21 AM
To: Pettigrew, George; Anderson, Israel
Subject: FW: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA

FYI

From: Runnels, Charlotte
Sent: Tuesday, December 01, 2015 1:13 PM
To: Anderson, Israel
Subject: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA

Israel,

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To locate the address of the facility, I used the longitude and latitude from the ECHO database. See link below. <http://echo.epa.gov/detailed-facility-report?fid=110000597131>

To: Pettigrew, George[pettigrew.george@epa.gov]
From: Pettigrew, George
Sent: Thur 11/7/2013 7:32:52 PM
Subject: Emailing: CVAir%20ug_m3%20Final%2003.08.13
CVAir%20ug_m3%20Final%2003.08.13.pdf

To: Pettigrew, George[pettigrew.george@epa.gov]
From: Raoult Ratard
Sent: Mon 12/7/2015 11:09:35 PM
Subject: FW: Scan from Copier

-----Original Message-----

From: White, Luann E [mailto:lawwhite@tulane.edu]
Sent: Monday, December 07, 2015 11:29 AM
To: Dianne Dugas; 'Andrews, Patricia'; Kathleen Aubin
Cc: Raoult Ratard; Shannon Soileau
Subject: RE: Scan from Copier

We have to be very careful providing any rates in the context of TRI reports. While the TRI may identify chloroprene, it cannot be linked to any effects in the area. Historically, TRI information has been misused to imply health effects and it is just a compilation of permitted release numbers. I would not match up cancer rates with TRI data as there are too many other factors that contribute to cancer and no exposure data.

-----Original Message-----

From: Dianne Dugas [mailto:Dianne.Dugas@LA.GOV]
Sent: Friday, December 04, 2015 2:45 PM
To: 'Andrews, Patricia'; Kathleen Aubin
Cc: Raoult Ratard; Shannon Soileau; White, Luann E
Subject: RE: Scan from Copier

Is it ok to forward these rates to George Pettigrew at ATSDR?

-----Original Message-----

From: Andrews, Patricia [mailto:PANDRE@lsuhsc.edu]
Sent: Friday, December 04, 2015 1:14 PM
To: Kathleen Aubin; Dianne Dugas
Cc: Raoult Ratard; Shannon Soileau; Luann E White
Subject: RE: Scan from Copier

What is the source of the other article (mono 71-9)? It mentions several other cancers (digestive system, liver, etc.). I haven't read the original articles to try to evaluate their reliability (one study found an excess for leukemia, but many of those cohort members had also been exposed to benzene. Did the authors stratify for that?).

I found a reference to a 1999 IARC review of chloroprene in the synthetic rubber industry as a Possible Carcinogen, but they concluded that the evidence was inadequate.

At any rate, I've attached an Excel file comparing cancer incidence in the U.S. (SEER), Louisiana, and St. John Parish, 2003-2012. I expanded the time coverage to ten years because of the small numbers, but nonetheless wound up with a lot of cells for which rates could not be calculated (<16 cases in ten years).

We'll be in Colorado next week, but I'll do my best to sit in on the call.

-----Original Message-----

From: Kathleen Aubin [mailto:Kathleen.Aubin@LA.GOV]
Sent: Friday, December 04, 2015 11:33 AM
To: Dianne Dugas
Cc: Raoult Ratard; Shannon Soileau; Andrews, Patricia; Luann E White
Subject: RE: Scan from Copier

I researched chloroprene further. Please see attached. According to the US Dept of Health and Human Services and the US Dept of Labor, exposure to chloroprene has been reported to cause skin and lung cancer.

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor Louisiana Department of Health and Hospitals Section of
Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

-----Original Message-----

From: Dianne Dugas

Sent: Friday, December 04, 2015 11:28 AM

To: Kathleen Aubin

Cc: Raoult Ratard; Kathleen Aubin; Shannon Soileau; Andrews, Patricia (PAndre@lsuhsc.edu); Luann E White

Subject: FW: Scan from Copier

Fyi - attached document provided information on chemical(s) of concern - mainly chloroprene - in EPA risk assessment and modeling of TRI data in Louisiana - sent by George Pettigrew.

To: Pettigrew, George[pettigrew.george@epa.gov]; Anderson, Israel[Anderson.Israel@epa.gov]
From: Runnels, Charlotte
Sent: Mon 12/7/2015 3:21:11 PM
Subject: FW: EJSCREEN - Dupont Pontchartrain Works - LAPLACE, LA
[Dupont Pontchartrain Works ejscreen .5 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 1 mile Radius.pdf](#)
[Dupont Pontchartrain Works ejscreen - 3 mile Radius.pdf](#)

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